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## **APPENDIX A**

### **AGENCY AND PUBLIC COORDINATION**

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◆ **Agency Coordination**

◆ **Public Involvement**

◆ **Questionnaires and Comments**

◆ **Telephone Log**



## **Agency Coordination** ◆

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# Manokotak Airport Relocation

## Agency Coordination Log

| Correspondence to Agencies   | Subject  | Date     | Pages |
|--|--|----------|-------|
| U.S. Dept. of the Interior, Bureau of Land Management / Henri S. Bisson  | Reply to scoping response                                  | 04/07/04 | 4-5   |
| U.S. Dept. of the Interior, Bureau of Indian Affairs / Kristin K'eit   | Reply to scoping response                                  | 04/07/04 | 6-7   |
| U.S. Army Corps of Engineers / Mary Leykom   | Wetlands   | 02/24/04 | 12    |
| Agency Scoping Letter and Mail List  | Environmental effects of Engineering Preferred Alternative | 02/20/04 | 13-27 |
| U.S. Dept. of Agriculture, Wildlife Services / Corey Rossi<br><i>(includes log of 10/16/03 phone conversation with Andy Aderman)</i> | Wildlife hazard observations                               | 01/16/04 | 29-33 |
| Notice and Contact List  | Change in schedule   | 08/28/03 | 49-50 |
| Agency Scoping Letter and Mail List  | Environmental effects                                      | 08/21/03 | 52-66 |
| Agency / Person Replying   | Subject  | Date     | Pages |
| Village Safe Water / Marie Steele  | Landfill alternative selection                             | 10/21/04 | 1-3   |
| Bristol Bay Native Association, Land Management Services / Alan Backford   | Scoping response   | 03/29/04 | 8     |
| Bristol Bay Native Association, Land Management Services / Sabrina R. Savo   | Native allotment owners' addresses                         | 03/25/04 | 8     |
| Alaska Dept. of Natural Resources, Alaska Coastal Management Program / Cynthia Zuelow-Osborne  | Scoping response   | 03/24/04 | 9     |
| U.S. Dept. of the Interior, Bureau of Indian Affairs / Rose M. Brady   | Scoping response   | 03/16/04 | 9     |
| U.S. Dept. of the Interior, Bureau of Land Management / Henri S. Bisson  | Land use   | 03/10/04 | 10    |
| U.S. Fish and Wildlife Services / Paul Liedberg  | Scoping response   | 03/01/04 | 10    |
| U.S. Dept. of the Interior, Bureau of Indian Affairs / Kristin K'eit   | Land Use   | 02/29/04 | 11    |
| U.S. Dept. of Agriculture, Natural Resources Conservation Service / Joe Moore  | Farmland   | 02/10/04 | 28    |
| U.S. Fish and Wildlife Services / Frances Mann   | Scoping response   | 10/27/03 | 33-34 |
| U.S. Army Corps of Engineers / Mary Leykom   | Scoping response   | 10/09/03 | 37    |
| National Marine Fisheries Service / James Balsiger   | Scoping response   | 09/24/03 | 38    |
| State Historic Preservation Office / Stefanie Ludwig   | Need for archeological survey                              | 09/16/03 | 39-40 |
| U.S. Dept. of the Interior, Bureau of Indian Affairs / Rose M. Brady   | Scoping response   | 08/26/03 | 51    |
| Meeting  | Subject  | Date     | Pages |
| Agency Coordination  | Wetlands   | 10/14/03 | 35-36 |
| Agency Field Trip  | Project impacts  | 09/11/03 | 41    |
| Agency Scoping   | Alternatives   | 09/03/03 | 42-48 |



**MEMORANDUM**  
**STATE OF ALASKA**  
**DEPARTMENT OF ENVIRONMENTAL CONSERVATION**  
Facility Construction and Operation  
Village Safe Water  
555 Cordova Street  
Anchorage, AK 99501

**TO:** Don Baxter, P.E., DOT Aviation Design  
**DATE:** 21 October 2004  
**FROM:** Marie Steele *MS*  
**SUBJECT:** Manokotak Landfill Alternative Selection

**RECEIVED**

OCT 27 2004

Central Region Design Section

Please be advised the Village of Manokotak choose Landfill Alternative 4 as the location for a future landfill. Attached is Figure 9-9 from the 2004 study, showing the landfill alternatives. Site four is approximately one quarter mile southeast of the old gravel pit just east of Manokotak. This site is 2 miles from the existing airport and about two and a half miles from Manokotak Heights.

Also attached is Figure 1-2, showing the new lagoon location in Manokotak Heights. This lagoon will be situated nearer the school in order to provide gravity flows to the area, eliminating the need for lift stations.

The study overview of alternatives selected by the community is also attached.

Attachments: Executive Summary, 2004 Manokotak Water, Sewer, and Solid Waste Feasibility Study  
Figure 1-2 Selected Wastewater Alternative S-2  
Figure 9-9 Potential Landfill Sites

MANOKOTAK WATER, SEWER AND  
SOLID WASTE FEASIBILITY STUDY



**1.0 EXECUTIVE SUMMARY**

**1.1 Overview and Alternative Selected by the Community**

The City of Manokotak (City) received a Sanitation Improvement Grant from the State of Alaska in 2003, through the Village Safe Water (VSW) program for completion of a Water, Sewer and Solid Waste Feasibility Study. In April 2003, the engineering firm KAE, Inc., was hired to prepare this Feasibility Study. The City is located on the east bank of the Igusik River, 25 miles west of the City of Dillingham. The City owns and operates the solid waste dump, the water and sewer systems, and roads within the platted right of ways (ROW).

A periodic water shortage exists with the community water system serving the Manokotak Heights area. The wastewater treatment system is not functioning as originally designed and is undersized for the existing wastewater flows. Both the existing water and sewer systems, that serve the Manokotak Heights area, were sized originally for the 24 home U.S. Department of Housing and Urban Development, (HUD) subdivision constructions. Since the late 1980's, a new school and five new housing units have been constructed with more housing being scheduled for construction.

The community's main objective, pertaining to water, is to solve the water source deficiency problem associated with the existing ground water aquifer. During the late winter and spring, the aquifer situated in the Manokotak Heights area east of Mikcham Kniga Creek has a yield problem. Recharge of this aquifer is greatly affected by surface runoff waters. The second issue is having a piped water system that is set up to provide water for the new school and housing development in the heights area. The current piped water system provides water to the HUD subdivision. The City prefers to have reserve water storage capacity and system flow, when the power goes offline.

The City's primary goal concerning wastewater is to have a lagoon system designed and constructed to handle the existing and future flows and loads within the community. Additionally, the City desires to have the sewer system designed to maximize gravity flow to reduce or eliminate the need for costly sewage lift stations.

The City has an immediate need for a new solid waste facility. The existing solid waste facility is grossly over capacity, and has a problem with blowing debris due to the lack of cover material, and uncontrolled fires are a frequent problem. Currently there is no additional land adjacent to the existing dump to allow expansion of the current site. The City and the people living within the community strongly desires to close the existing dump site and development of a new land fill site. This had been a community concern since the early 1990's.

Viable sanitation alternatives were reviewed and evaluated by the City in the spring of 2004. After completing their review and discussions, the City Council selected the following alternatives at the April 22, 2004 meeting and formalized it through City Resolutions:

**Water Alternative W-2**  
**Wastewater Alternative S-2**  
**Solid Waste Alternative Option 4**

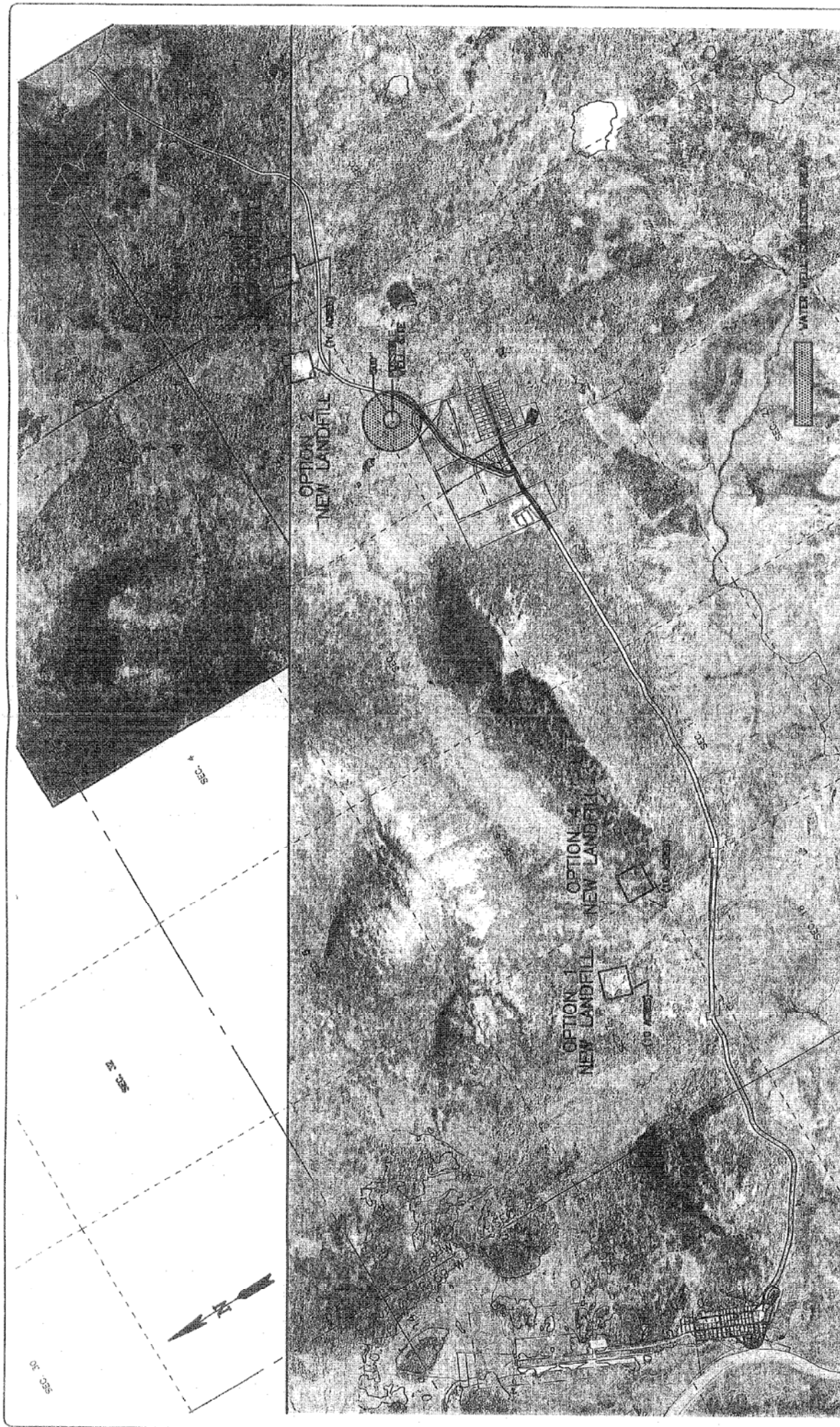
KAE, INC.

1-1

AUGUST 2004

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| SHEET NO.<br><b>9-9</b>  |                 | OF<br><b>1</b>      |   |
| PROJECT NO.<br>98509-1870  |                 | DATE<br>10/1/84     |   |
| DRAWN BY<br>J.E.   |                 | CHECKED BY<br>J.E.  |   |
| DESIGNED BY<br>J.E.  |                 | APPROVED BY<br>J.E. |   |
| POTENTIAL LANDFILL SITES<br>MANOKOTAK WATER, SEWER AND SOLID WASTE<br>FEASIBILITY STUDY<br>MANOKOTAK, ALASKA     |                 |                     |   |
| MANOKOTAK, ALASKA  |                 |                     |   |
| K.E. INC.<br>P.O. BOX 91970 ANCHORAGE, AK 99509-1970<br>Telephone # (907) 278-2176<br>Facsimile # (907) 278-2184 |                 | DATE<br>10/1/84     |   |
| REVISION<br>1. 054 Revisited Shards for DOE Separation   | DATE<br>10/1/84 | REV.<br>1.          | DESCRIPTION<br>1. 054 Revisited Shards for DOE Separation |

CF PF RF

FRANK H. MURKOWSKI, GOVERNOR

## DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

STATEWIDE DESIGN & ENGINEERING SERVICES  
PRELIMINARY DESIGN AND ENVIRONMENTAL4111 AVIATION AVENUE  
P.O. BOX 196900  
ANCHORAGE, ALASKA 99519-6900  
FAX (907) 243-6927 TDD 269-0473  
(907) 269-0528 or (907) 269-0542

April 7, 2004

Henri S. Bisson  
State Director  
United States Department of the Interior  
Bureau of Land Management - Alaska State Office  
222 W. 7th Avenue, #13  
Anchorage, AK 99513-7599

Re: Manokotak Airport Runway Resurfacing and Extension  
Project No. 55313

Dear Mr. Bisson,

Thank you for providing comment on the proposed improvements of the airstrip at Manokotak.

Your letter of March 10<sup>th</sup> stated that the BLM does not have jurisdiction over the land within the project area. According to your letter:

- the project area lies within the Togiak National Wildlife Refuge
- the Alaska Department of Transportation and Public Facilities (ADOT&PF) would have to coordinate any remodeling of the existing airstrip with Manokotak Natives Limited (MNL), and the U.S. Fish and Wildlife Service (USFWS)
- any impact to the 17(b) trail would require coordination with USFWS and Choggiung, Limited.

Our land status research indicates:

- no part of the project lies within land owned by the Federal government for the Togiak National Wildlife Refuge
- ADOT&PF would need to coordinate remodeling of the existing airstrip with MNL, the Bristol Bay Native Corporation (BBNC), and the City of Manokotak, as these are the current landowners. The ADOT&PF must also coordinate with the USFWS because they are involved in lands that were placed in the Alaska Land Bank Program through an agreement signed on August 10, 1987 with MNL.
- Manokotak is not a part of Choggiung, Limited; impacts to the 17(b) trail would need to be coordinated with the BLM, USFWS and MNL.


No part of either of the project's alternatives lies within land owned by the Federal government for the Togiak National Wildlife Refuge (see attached graphic). The use and construction of either build alternative would not impact the refuge lands. Alternative R3 adjoins lands owned by Manokotak Natives, Ltd. that are enrolled in the Alaska Land Bank Program. Under the agreement, the USFWS would need to approve developments and improvements on the enrolled lands even though they are not a landowner. MNL also has the option of withdrawing those lands from the Land Bank.

At Alternative E1, the airport lease issued in 1967 to the State of Alaska was for a portion of Tract C of the Manokotak Federal Townsite. Only Tract II, not the entire Tract C, was conveyed to Manokotak Natives Limited in 1979. On May 7, 1979, the jurisdiction of the lease, which was formally held by the USFWS, was waived and transferred to MNL when they received interim conveyance. Therefore, any remodeling of the current airstrip would require coordination between the landowners: Manokotak Natives Limited, Bristol Bay Native Corporation, the City of Manokotak and the State of Alaska.

The portion of the 17(b) trail that would be affected by the project is not located on lands owned by the Federal Government for the Togiak National Wildlife Refuge. The Department of Interior's manual provides that the refuge shall administer any easements reserved pursuant to Section 17(b) of ANCSA if the easement is within the overall refuge boundary however, we could not find evidence that the BLM has officially notified the USFWS that they have jurisdiction. **If you can provide a copy of that correspondence it would be greatly appreciated.** As we understand it now, ADOT&PF will need to work out an agreement with the BLM Anchorage Field Office and with USFWS involved as a party to the agreement. Coordination would not need to involve Choggiung, Ltd., because Manokotak is not a member of that organization.

We appreciate the opportunity to clarify the land status for the Manokotak Airport project. Please contact Dan Golden, Environmental Team Leader, at (907) 269-0537 or via e-mail at [dan\\_golden@dot.state.ak.us](mailto:dan_golden@dot.state.ak.us) if you have further questions regarding this project.

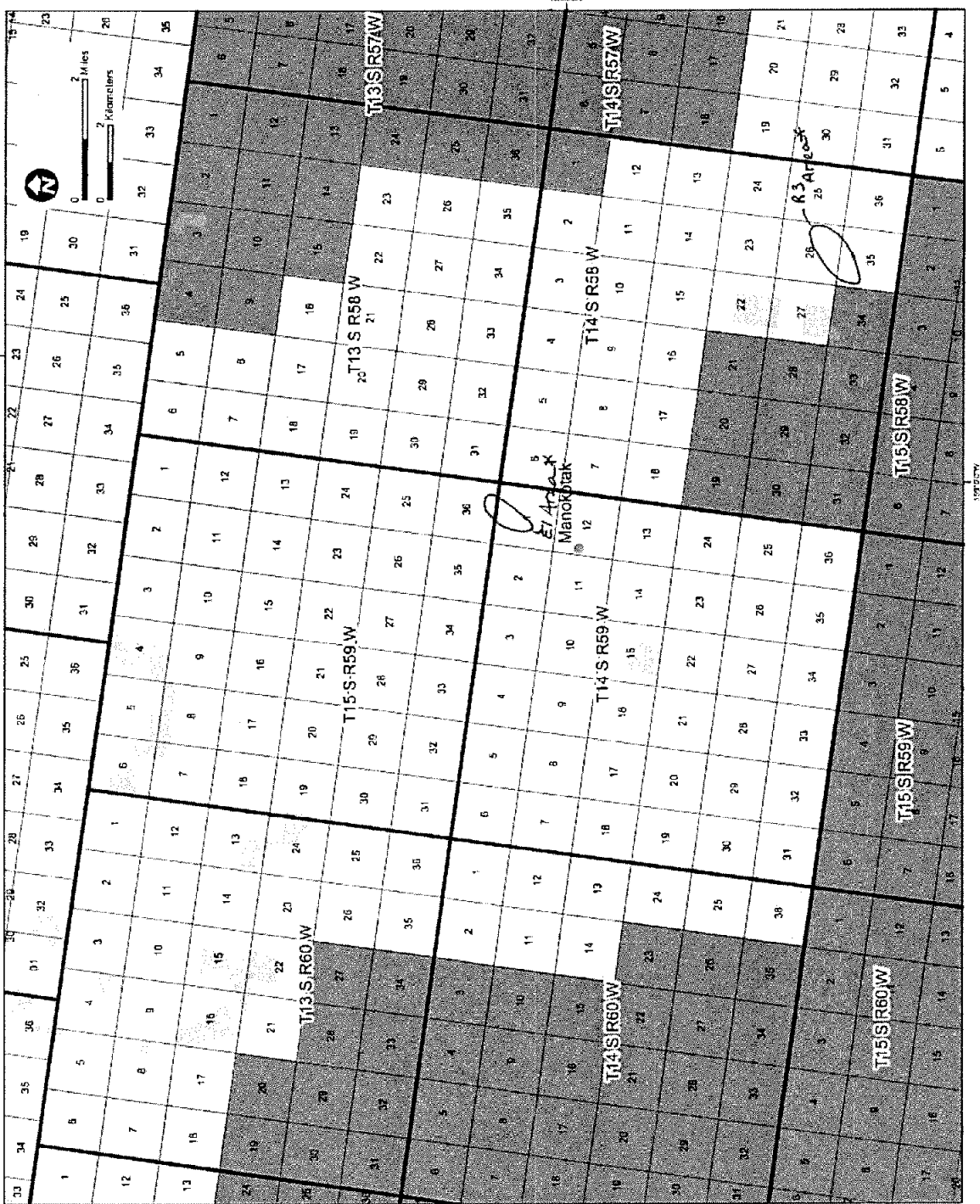
Sincerely,



Jerry O. Ruehle  
Environmental Coordinator

Enclosure: Land Ownership Figure

cc: Don Baxter, P.E., Project Manager, Aviation Design  
Royce Conlon, P.E., Project Manager, PDC, Inc.



**Legend**

- State Land
- Native Corporation Land
- Native Allotment (pending or conveyed)
- U.S. Fish and Wildlife Service

**Notes:**

- 1) Horizontal Datum: NAD 83, Coordinate System: Alaska Albers Equal Conic, Feet
- 2) Boundaries provided from coverages
- 3) Land status and oil and gas exploration information provided by the BLM

**Figure XXX**  
Land Ownership

\* See Figures land 2 of the Feb. 20th Agency Scoping Update Letter

CF PF RF

FRANK H. MURKOWSKI, GOVERNOR

## DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

STATEWIDE DESIGN & ENGINEERING SERVICES  
PRELIMINARY DESIGN AND ENVIRONMENTAL4111 AVIATION AVENUE  
P.O. BOX 166900  
ANCHORAGE, ALASKA 99516-6900  
FAX (907) 243-6827 TDD 268-0473  
(907) 269-0528 or (907) 269-0542

April 7, 2004

Kristin K'eit  
Regional Environmental Scientist  
United States Department of the Interior  
Bureau of Indian Affairs - Alaska Region  
P.O. Box 25520  
Juneau, AK 99802-5520Re: Manokotak Airport Runway Resurfacing and Extension  
Project No. 55313

Dear Ms. K'eit,

Thank you for your comment on the agency scoping update attachment for the Manokotak Airport Runway Resurfacing and Extension project.

In your February 29<sup>th</sup> letter, you requested confirmation that the two build alternatives would not require the acquisition of property from Native Allotments.

We would like to take this opportunity to assure the BIA that the properties proposed for the build alternatives (Alternatives R3 and E1) for the Manokotak Airport, do not include any part of a Native Allotment (see enclosed figure).

There are three Native Allotments in the vicinity of Alternative R3:

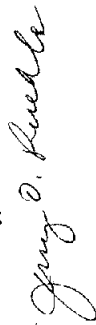
- U. S. Survey 11786, Lot 3 belongs to Nels C. Franklin and is located approximately 2,500 feet from the proposed site. He is awaiting certification to this allotment.
- Native Allotment, U. S. Survey 11786, Lots 1 and 2 belong to Moses Toyukak Sr. and are about 5,000 feet away from the proposed R3 site. He is also awaiting certification.
- U. S. Survey 12090 belongs to Christian Iumulria. It is also about 5,000 feet away from the proposed alternative and she awaiting certification as well.

Mr. Franklin and Mr. Toyukak have been receiving the project newsletters and have participated in the public meetings. Newsletters have been sent to four of the Iumulria households in Manokotak and the family was represented at the public meetings. We have recently added Mr. Iumulria to the public mailing list and will be mailing him directly in the future.

The closest Native Allotment to the Alternative E-1 site is USS 6324, Lots 1 and 2, which is 2 1/2 miles away from the existing airstrip. The relocation involved in the development of Alternative E1 is the National Guard Armory building and does not involve any Native Allotment land.

We appreciate the opportunity to clarify the land status for the Manokotak Airport project. Please contact Dan Golden, Environmental Team Leader at (907) 269-0537 or via e-mail at dan\_golden@dot.state.ak.us if you have further questions regarding this project.

Sincerely,

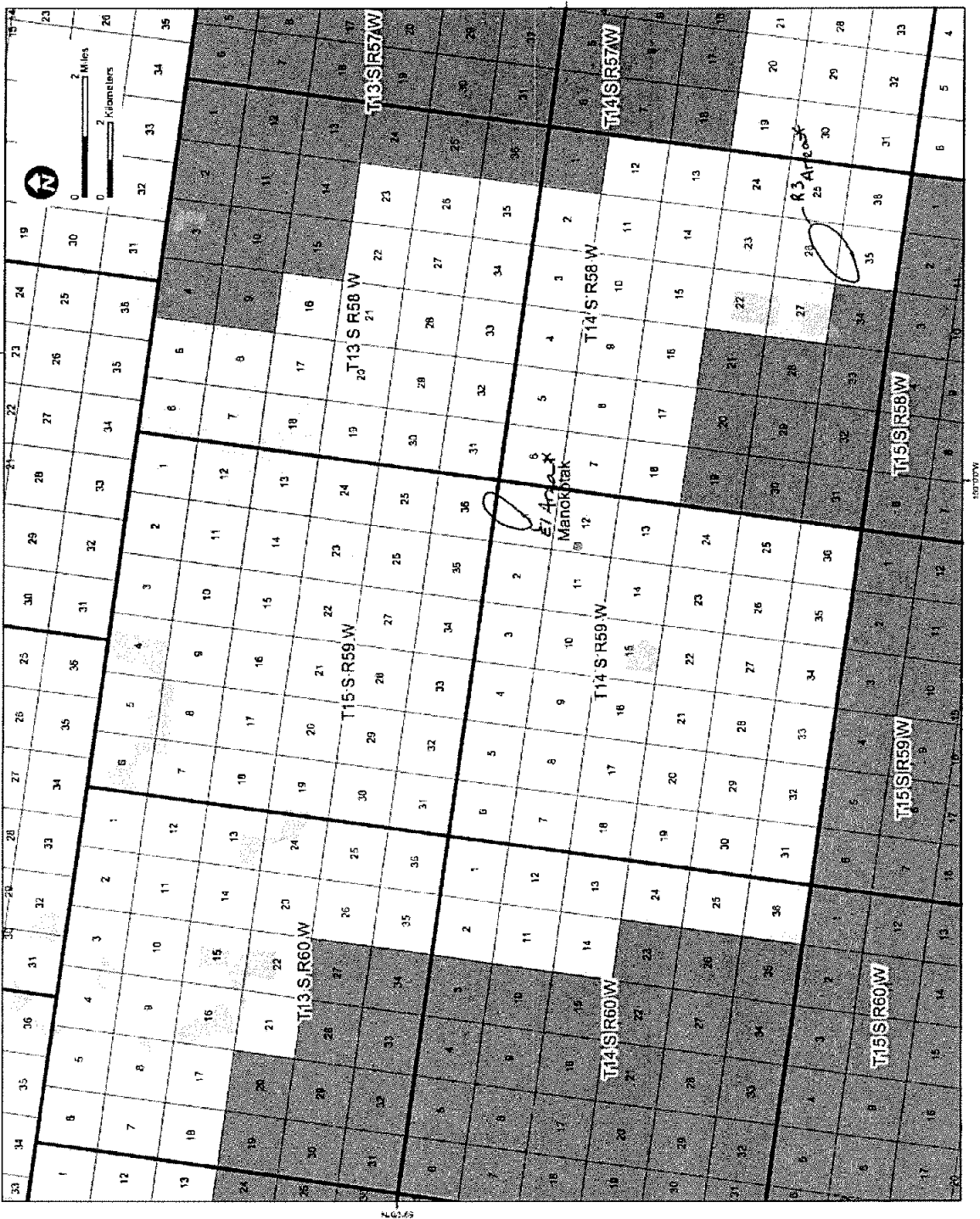


Jerry O. Ruehle  
Environmental Coordinator

Enclosure: Land Ownership Figure

cc: Don Baxter, P.E., Project Manager, Aviation Design  
Royce Conlon, P.E., Project Manager, PDC, Inc.

Response to letter dated 2/29/04 (see page 8)



**Legend**

- State Land
- Native Corporation Land
- Native Allotment (granted or conveyed)
- U.S. Fish and Wildlife Service

**Notes:**

- 1) Horizontal Datum NAD 83, Coordinate System Alaska Albers Equal Area Conic, Feet
- 2) Boundaries provided from coverages provided by the BLM
- 3) Land status and all other gas exploration information provided by the BLM

**Figure XXX**  
**Land Ownership**

\*See Figures 1 and 2 of the Feb. 20th Agency Scoping Update Letter

**Shawna Laderach**

From: Alan Backford [abackford@bba.com]  
 Sent: Monday, March 29, 2004 11:02 AM  
 To: dan\_golden@dot.state.ak.us  
 Subject: Manokotak airport

This is in reply to your agency scoping letter. The proposed project does not appear to affect any Native restricted townsite lots or allotments. However, if Native restricted land becomes involved for such things as acquisition, easements, or material sources, please contact this office (Bristol Bay Native Association, 907-842-5257). Thank you.

Land Management Services  
 P.O. Box 310  
 Dillingham, Alaska 99576  
 Phone: (907) 842-5257 or 1-800-478-5257 ext. 332  
 Fax: (907) 842-5938

**Bristol Bay Native  
 Association**

# Fax

|   |                                   |               |                             |
|---|-----------------------------------|---------------|-----------------------------|
| <b>To:</b>  | Shawna Laderach-DOT               | <b>From:</b>  | Sabrina R. Savo, Specialist |
| <b>Fax:</b>   | (907) 455-2707                    | <b>Date:</b>  | March 25, 2004              |
| <b>Phone:</b>   | (907) 452-1414                    | <b>Pages:</b> | 1 including cover page      |
| <b>Re:</b>  | Addresses for KMO Airport project | <b>CC:</b>    | Reading File                |
| <input checked="" type="checkbox"/> <b>Urgent</b> <input checked="" type="checkbox"/> <b>For Review</b> <input type="checkbox"/> <b>Please Comment</b> <input checked="" type="checkbox"/> <b>Please Reply</b> <input type="checkbox"/> <b>Please Recycle</b> |                                   |               |                             |

**Comments:**

Shawna,


These are the following current addresses we have for the people you requested:

Nels Franklin, P.O. Box 8, Manokotak, Alaska 99528

Moses Toyakuk Sr., P.O. Box 30, Manokotak, Alaska 99528

Christian Iumuklia, P.O. Box 1182, Dillingham, Alaska 99578

Any questions please give me a call at the above numbers.









# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Alaska State Office  
222 W. 7<sup>th</sup> Avenue, #13  
Anchorage, Alaska 99513-7599  
<http://www.ak.blm.gov>



AA001092 (2911)  
(043)

1000 3 15 2004

Mr. Jerry Ruehle

State of Alaska  
Department of Transportation  
4111 Aviation Drive  
P.O. Box 196900  
Anchorage, Alaska 99519-6900

Dear Mr. Ruehle:

Thank you for allowing the Bureau of Land Management the opportunity to comment on the proposed improvements of the airstrip at Manokotak. However, we do not have jurisdiction of the land. Most of the land in that area is within the Togiak National Wildlife Refuge.

In 1967 an airport lease was issued to the State of Alaska for the airstrip at its current location. That land was conveyed to Manokotak Natives Limited in 1979. In 1982 the lease was transferred to the Fish and Wildlife Service. Any remodeling of the current airstrip would require coordination with the Manokotak Natives Limited, the State of Alaska, and the Fish and Wildlife Service.

Alternative R3, located within Sec. 26, T. 14 S., R., 58 W., Seward Meridian, is also located within the Togiak National Wildlife Refuge, the Bureau of Land Management has no jurisdiction on these lands. You also mentioned in your letter that if the airstrip was moved to the R3 alternative it may effect a 17(b) easement. If this is the case, the Fish and Wildlife Service assumed the administrative responsibility for easements located within the Refuge. Therefore, you would need to work with the Manager of the Togiak Refuge. His name is Aaron Archibeque and he can be contacted in Dillingham at 907-842-1063. This will also require coordination with the Native Corporation, Choggiung, Limited.

Again, thank you for the opportunity to comment. If we can be of further assistance to you please call June Bailey, Manager of the Anchorage Field Office, at 907-267-1246.

Sincerely,  
  
Henri S. Bisson  
Acting State Director

Shawna Laderach

From: Paul\_Liedberg@fws.gov  
Sent: Monday, March 01, 2004 4:00 PM  
To: dan\_golden@dol.state.ak.us  
Cc: Phil\_Brina@fws.gov, John\_Brewer@fws.gov  
Subject: Manokotak Airport Runway Project

Dan,

Your letter of February 20 asked for several things regarding the subject runway project as follows:

**-Permits or clearances to be obtained:** No refuge permits would be required as long as the runway is not constructed on refuge lands and no materials are taken from the refuge for the construction.

**-Refuge objectives or activities that may conflict:** None

**-Fish and wildlife habitats or migration corridors potentially affected:** Our Anchorage Fish and Wildlife Field Office will coordinate any responses to this request. Contact is Phil Brina at 271-2888. I suspect you have already been in contact with this office.

**-Known active or inactive eagle nests:** This info already provided to Sasha Ferland with MacTech Engineering. We can provide again if needed but there are no nests within five miles of the proposed site.

**-Map of the refuge boundaries:** The best option for this would be to probably contact our Realty office to obtain the most accurate maps. A contact is John Brewer at 785-3462. Or, you can find land status information on the DNR web site.

If you need additional information or clarification on the above please feel free to contact me at 907-842-1063. Otherwise, I hope this less formal response will suffice.

Paul Liedberg  
Togiak NWR

3/3/2004





UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF INDIAN AFFAIRS  
ALASKA REGION  
P.O. Box 25520  
Juneau, Alaska 99802-5520



VIA FACSIMILE  
907-243-6927

29 February 2004

Mr. Dan Golden  
Alaska Department of Transportation and Public Facilities  
4111 Aviation Drive, P.O. Box 196900  
Anchorage, Alaska 99519-6900

RE: Manokotak Airport Improvements, ADOT&PF #55313

Dear Mr. Golden:

Thank you for the opportunity to comment on the subject proposed action. We have reviewed the Agency Scoping Update Attachment, and have two questions, one concerning the preferred alternative (R3), and one concerning the alternative (E1).

The Alternative Comparison Matrix notes that, under Environmental Impacts, 217 acres of property would have to be acquired from one landowner, for the proposed alternative. Although it does not appear to be, we would like to ascertain that the property is not a native allotment. Similarly, for the other alternative, would the residential relocation involve a native allottee, as well as the 63 acres of property that would need to be acquired?

We appreciate your attention to our concerns, and that of any potentially affected allotment owners, tribal members and other area residents.

Please feel free to contact myself, at 907-586-7423, or my assistant, Mrs. Valerie Thomas, at 907-586-7146, for further information, as may be required.

Sincerely,

Kristin K'eit  
Regional Environmental Scientist

See page 3 for response (dated 4/7/04)

COMMUNICATIONS SECTION FEB 29 12:50 PM 2004

# STATE OF ALASKA

DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES  
STATEWIDE DESIGN & ENGINEERING SERVICES  
PRELIMINARY DESIGN & ENVIRONMENTAL

CF PF RF

FRANK MURKOWSKI, GOVERNOR

4111 AVIATION AVENUE  
P.O. BOX 196900  
ANCHORAGE, ALASKA 99519-6900  
(907) 269-0542 or (907) 269-0526  
(FAX 243-6927)

February 24, 2004

Re: Manokotak Airport Runway Resurfacing  
And Extension  
Project No. 55313

DA Project No. 4-2003-0970

## JURISDICTIONAL DETERMINATION REQUEST


Ms. Mary Leykom  
Regulatory Specialist  
U.S. Army Corps of Engineers  
Regulatory Branch  
P.O. Box 6898  
Elmendorf AFB, AK 99506-6898

Dear Ms. Leykom:

The Department of Transportation and Public Facilities (ADOT&PF) hereby submits the enclosed Wetlands Delineation for your approval in accordance with the January 10, 2003 Memorandum of Agreement (between our agencies and others) Regarding Impacts To Wetland And Other Aquatic Resources, Mitigation And Airport Improvement Projects In Alaska. The ADOT&PF is proposing to either upgrade the existing runway (Alternative E1) or relocate the airport (Alternative R3). The airport relocation alternative (R1E) that was closest to the school has been eliminated due to safety concerns associated with sewage lagoon and possible future landfill conflicts. Ten wetland areas that may be affected by either build alternative were delineated in the report done by MACTEC Engineering and Consulting. Based on the report, it is our opinion that the proposed project alternatives would affect wetlands under Department of the Army jurisdiction. Your concurrence is requested.

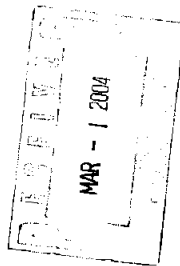
In addition to mapping and classifying the wetlands, MACTEC assessed the functions and values of the wetlands in the study area. The potential material site located on the ridge near Alternative R3 has been delineated as a wetland/upland mosaic with 1/3 of the area considered wetlands and 2/3 considered uplands. Once a preferred alternative has been selected, a 404 Permit application will be submitted.

Thank you for your time and consideration. If you have any questions or require additional information, please contact Dan Golden, Environmental Team Leader at 269-0537.

Sincerely,  
  
Jerry O. Ruchle  
Environmental Coordinator

Enclosure: Manokotak Airport Wetlands Delineation Report

CC: Don Baxter, P.E., Project Manager, Aviation Design  
Royce Conlon, P.E., Project Manager, PDC



# STATE OF ALASKA

DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES  
CENTRAL REGION DESIGN & CONSTRUCTION  
PRELIMINARY DESIGN AND ENVIRONMENTAL

FRANK H. MURKOWSKI, GOVERNOR

4111 Aviation Drive  
P.O. Box 196900  
Anchorage, Alaska 99519-6900  
(907) 269-0442 Phone  
(907) 243-6927 Fax

February 20, 2004

Re: Manokotak Airport Runway  
Resurfacing and Extension  
Project Number: 55313  
Agency Scoping Update

Ann Rappoport  
U.S. Fish and Wildlife Service  
Western Alaska Ecological Service  
605 W. 4th Ave., Room G-61  
Anchorage, AK 99501

Dear Ms. Rappoport:

The Alaska Department of Transportation and Public Facilities (ADOT&PF) and the Federal Aviation Administration (FAA) are proposing to improve the Manokotak Airport. The goal of the proposed project is to provide for safe and reliable air access to Manokotak by bringing Manokotak Airport up to FAA standards for Design Group B-II aircraft and planning for future needs. This letter is to update you on the project since the initial agency scoping letter was sent on August 21, 2003.

After considering agency and public input as well as engineering and environmental factors, two build alternatives are being carried forward into the formal NEPA evaluation process. Project alternatives E1 (extend existing runway) and R3 (relocate airport to the 8-mile site), along with the no-build alternative, will be evaluated in the Environmental Assessment (EA). Those alternatives that were considered but eliminated during the initial scoping process will be documented in the EA.

Since the initial scoping letter, the site locations, orientations, and layouts of the build alternatives have been refined based on additional on-site investigations. The enclosed **Agency Scoping Update** Attachment summarizes the process to date and presents refined locations of the build alternatives for your review.

## Issues Specific to Your Agency

Thank you for your agency's participation in our project scoping process. We appreciate Fran Mann's previous coordination on wetland issues, and look forward to her continued participation. Fran's specific concerns regarding the wetland status at the potential material site near Alternative R3 were addressed, and our preliminary wetland delineation has been forwarded to the

U.S. Army Corps of Engineers for a formal jurisdictional determination.

Please review the proposed alternatives and identify any specific concerns your agency may have regarding impacts to fish and wildlife habitat in the project area.

## Project Update

Since the initial scoping letter, the following activities have been conducted:

- Geotechnical investigation (July-September 2003)
- Field wetland delineation (August 31-September 6, 2003)
- Phase I Hazardous Materials Site Assessment (September 1-5, 2003)
- Agency coordination meeting (September 3, 2003)
- Agency site visit (September 11, 2003)
- Public meeting (September 11, 2003)
- Field archaeological survey (November 1-3, 2003)
- Public meeting (January 29, 2004)

During the first phase of planning for this project, the team determined the needed airport improvements and developed and evaluated design alternatives to meet them. The environmental concerns associated with these improvements were identified. Based on agency, public, airport user, engineering and environmental considerations, ADOT&PF selected an engineering preferred alternative, Alternative R3. A preferred alternative will be selected after the EA process. Unless the No-Build Alternative becomes the preferred alternative, construction is currently scheduled to begin as early as Summer 2005.

If you have any questions regarding the proposed project, please contact Dan Golden, Environmental Team Leader, at (907) 269-0527 or via e-mail at dan\_golden@dot.state.ak.us. Engineering questions may be directed to Royce Conlon, PDC Project Manager, at (907) 452-1414 or via email at royceconlon@pdceng.us.

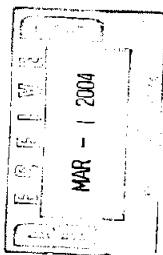
We are requesting that you send your written comments to our offices by mail or e-mail no later than March 19, 2004.

Sincerely,

*[Signature]*  
Derry O. Roehle  
Environmental Coordinator

Enc: Figures 1-4  
Agency Scoping Attachment

cc: Don Baxter, Project Manager, Aviation Design  
~~Royce Conlon~~, Project Manager, PDC, Inc.



## MANOKOTAK AIRPORT RUNWAY RESURFACING & EXTENSION AGENCY SCOPING UPDATE ATTACHMENT

### I. Purpose and Need

#### Introduction

Manokotak Airport is located in the Bristol Bay Borough, 25 miles southwest of Dillingham on the Igushik River, at location N58°59'34", W159°03'00" (Figure 1). The community of Manokotak has 404 residents and was incorporated in 1970.

#### Existing Facility Description

The existing airport facilities (Figure 3 base photo) do not meet the standards required for several types of aircraft currently operating in Manokotak, especially the medevac aircraft that provide the village's only link to advanced health care facilities in Dillingham and Anchorage. The runway, taxiway, and safety areas are too short and too narrow. The existing airport is 2,740' long and 75' wide with safety area dimensions of 3,200' x 1,200'. The apron is 300' x 400'. The separation distances for the apron setback and the runway protection zones meet only the lowest airport classification. The runway condition is reportedly the worst in the Bristol Bay region.

Other non-standard conditions at the airport involve airspace penetrations and obstacles. There is an access road and vehicle traffic in the transition surface. The National Guard Armory, a fuel tank, and an antenna are within the departure/approach path. The village lagoon and landfill are both closer than the standards established by the Federal Aviation Administration (FAA) for safety. A hill next to the runway rises approximately 800', penetrating the airspace. Besides posing an obstruction, the proximity of the hill creates wind gusts and crosswinds on the runway. The lack of adequate snow storage results in snow berms that rise above the primary surface, and drainage and snow drifting problems often cause partial or complete airport closures. Further, the existing site is often fogged in or inaccessible due to inclement weather. The short runway, deteriorated runway surface, airspace penetrations, and inadequate separation distances combine to hinder operations at the airport.

#### Alternative Design Requirements

The build alternatives (Figures 3 and 4) are designed to meet ADOT&PF and FAA standards. These call for a 3,300' minimum length, with dimensional standards established for an A/B-II airport reference code. The runway, apron, and taxiway are designed to allow for a Global Positioning System (GPS) Non-Precision Instrument (NPI) approach. Given the substantial investment required to improve or relocate the airport and the large population of Manokotak, it is prudent to identify a site that would allow for future expansion. Thus, the identified sites could support future expansion to a 4,000' runway length.

The build alternatives would provide Manokotak with an improved airport facility, and would most likely include the following activities:

- Lengthen and widen the existing runway or relocate to a new site
- Relocate the apron to meet separation standards
- Clear vegetation from the runway and associated airspace

- Free runway ends of obstructions to the non-precision approach standards as practicable
- Extend power lines for upgraded facility

Relocation is being considered because expansion at the existing site would present the following challenges:

- An extension of the existing runway would be expensive and could be unstable due to organic soils
- An extension would affect higher value wetlands
- Upgrading to provide for NPI approach capabilities makes the hill adjacent to the existing airport more of an obstruction
- Impacts to the armory and other properties near the airport are likely
- Expansion in the future would not be easily accommodated

The specifics of the build alternatives are discussed in Section 3.

### 2. Environmental Research Update

This section summarizes the environmental research that has been conducted since the initial scoping letter.

#### Contaminated Sites, Spills and Underground Storage Tanks

A Phase I Hazardous Materials Site Assessment was completed for this project in September 2003. While there have been spills at the school and adjacent tank farm, this site is not within the project area. The assessment identified *de minimus* levels of hydrocarbon contamination in the gravel floor of the snow removal equipment building. No other evidence of contaminated sites was found.

#### Anadromous Fish Streams & Essential Fish Habitat

The Alaska Department of Fish and Game attended the agency coordination meeting conducted September 3, 2003, and had no issues with the proposed project. The proposed build alternatives do not cross any streams, so no impacts to anadromous fish streams are expected. The Igushik and Weary Rivers and their tributaries support Essential Fish Habitat; however, the project would not directly affect these rivers. In a letter dated September 24, 2003, the National Marine Fisheries Service concurred with our determination.

#### State Refuges, Critical Habitat Areas and Sanctuaries

There are no state legislatively designated special areas (state game refuges, sanctuaries, or critical habitat areas) in the project vicinity. The city of Manokotak is adjacent to the Togiak National Wildlife Refuge. The proposed project is not located on refuge lands, and we have been coordinating with the refuge on the proposed project. The Igushik and Weary Rivers and some of their tributaries provide habitat for salmon migration and spawning, but due to the distance from these water bodies, the projects are unlikely to impact this habitat.

#### State Land Use Plans and State Parks

No state land or state parks would be affected by any of the project alternatives.

### Historical, Archaeological, and Cultural Properties

A cultural resources survey was conducted that included research, interviews, a 100% pedestrian survey, and limited subsurface sampling. The survey report concluded that no historic properties would be affected. This report has been forwarded to the State Historic Preservation Officer for her concurrence.

### Coastal Zone Management

The project is located within the Bristol Bay Coastal Resource Service Area (BBCRSA). A BBCRSA representative attended the September 11, 2003, public meeting associated with the project. He has verbally indicated that the project is far enough inland not to be a concern to the BBCRSA. A Coastal Project Questionnaire will be submitted for the preferred alternative once it is selected.

### Flood Plain & Navigability:

Manokotak is not in a floodplain. No Federal Emergency Management Agency Flood Maps are available for the area. Consultation with the US Army Corps of Engineers (USACE) has determined that no navigable waters would be affected by this project. Discussions with the village and barge companies that service the area have indicated that the existing barge landing is suitable for the project without any further improvements.

### Wetlands

In a letter dated October 9, 2003, the USACE indicated that a Department of the Army (DA) permit for fill placement in wetlands would be required for any of the alternatives being considered. A field wetlands delineation was conducted in the project area in September of 2003, and is being forwarded to the USACE for a jurisdictional determination. Wetlands identified in the field delineation are identified in Figure 2. Alternative E1 (Figure 3) would be located almost entirely in wetlands. Alternative R3 (Figure 4) involves only minor impacts to wetlands. The wetland delineation will be used to assess the impacts of alternatives in the Environmental Assessment.

### Threatened & Endangered Species:

According to our preliminary research, no threatened or endangered species are located in the project area. In a letter dated September 24, 2003, the National Marine Fisheries Service (NMFS) indicated that no endangered marine mammals or critical habitat would be impacted by the proposed project.

### **3. Alternatives To Be Evaluated In The Environmental Assessment**

After considering public and agency review comments and additional environmental and engineering analyses, some alternatives were refined or eliminated and an Engineering Preferred Alternative (R3) was identified. The selection of the Engineering Preferred Alternative was conducted by a panel of ADOT&PF and FAA professionals using evaluation criteria based on public safety, sound engineering, and environmental impacts. The Alternative Comparison Matrix is included at the end of this attachment.

The alternatives being carried forward are presented herein for further review. Additional refinements will include detailed layout of runway orientation, apron location, taxiway, and access road. Eliminated alternatives, refinements, and the reasons for them, will be documented in the Environmental Assessment.

### Alternative E1 – Extending the Existing Runway (Figure 3)

This alternative would resurface and extend the runway at its present location. The apron would be relocated to the required separation distance for safety.

### Alternative R3 – Airport Relocation [Engineering Preferred Alternative] (Figure 4)

This alternative would relocate the airport to high ground located to the southeast of Manokotak Heights Subdivision (referred to as the 8-Mile site). There was an initial concern that the location would limit how much the runway alignment could be reoriented to accommodate the prevailing winds. However, the final wind analysis indicates the site provides the required wind coverage.

### No Build Alternative

This alternative would retain the existing airport facility (Figure 3 base photo) in its current location and status.

### **4. Potential Material Sites**

Figure 2 shows three material sites and one borrow site that may be used for this project. Manokotak Natives, Ltd., owns the surface rights at all sites, and the Bristol Bay Native Corporation (BBNCC) retains ownership of the subsurface rights. One site was previously developed for construction of the Weary River Road and could be expanded. Use of the ridge to the south as a material source will depend on selection of the preferred alternative. If Alternative R3 is selected, it is very likely that this source would be used. The borrow site is immediately adjacent to the existing runway, and would be used if Alternative E1 is selected. The easternmost site, located on Loop Road, is the likely source of surface course material regardless of the alternative selected.

### **5. Alternatives Eliminated**

The following alternatives presented in August 21, 2003, scoping letter have been eliminated during the agency scoping and public involvement process. The rationale for eliminating each alternative is discussed below.

### Alternative E2

Alternative E2 was a skewed alignment of the runway. It had no net benefit over Alternative E1. This alternative impacted more wetlands, reused less of the existing site, and required more construction over poor ground, resulting in higher costs and a less stable facility. The only gain was an additional 3% of wind coverage.

### Alternative R1

This alternative was oriented at a 6° azimuth. This orientation was crosswind to the winter winds, resulting in safety concerns during winter operations and increased maintenance and operations requirements due to drifting snow.

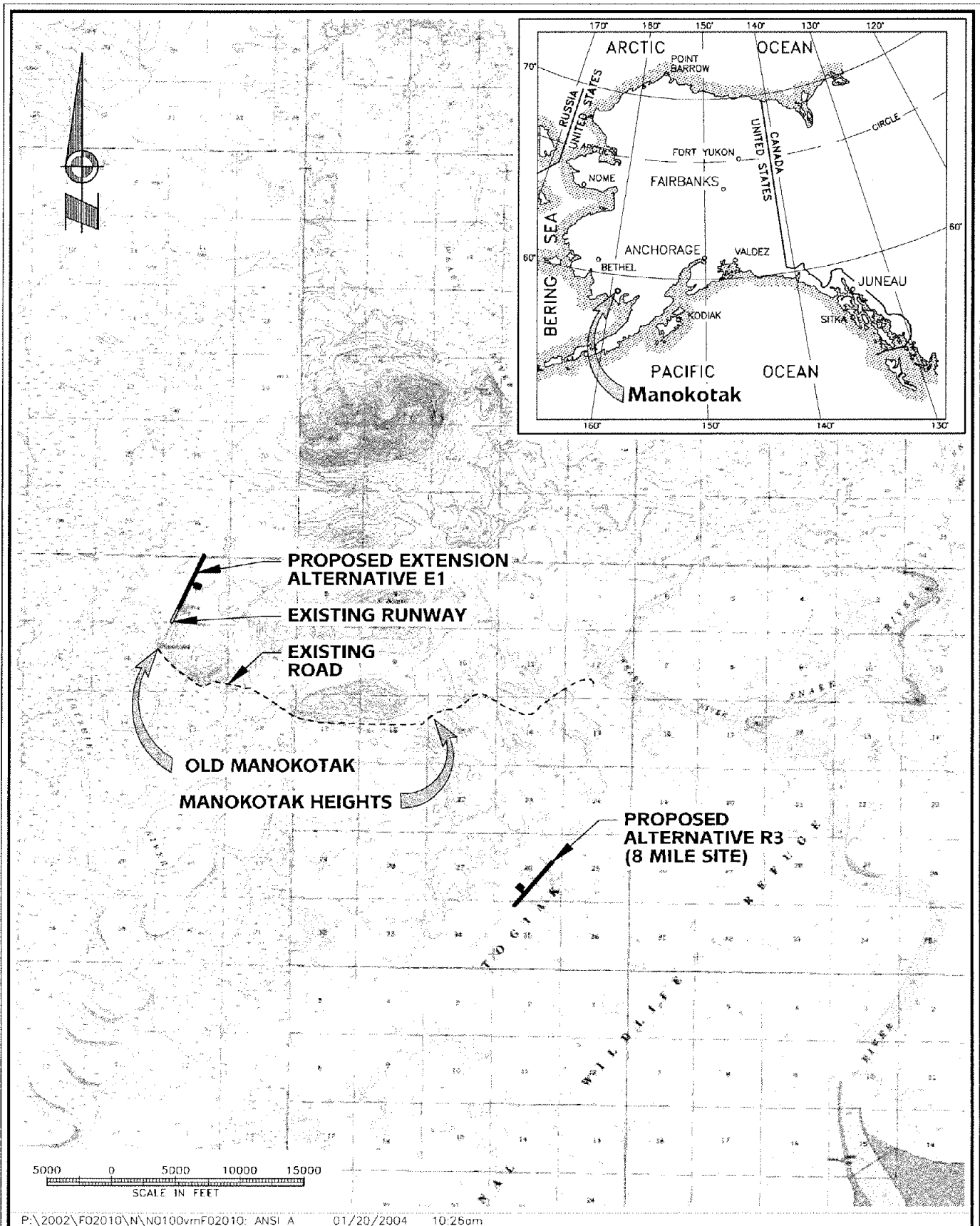
| Category              | Relative Importance*<br>(Higher = more important) | Evaluation Criteria  | Alternatives Being Carried Forward into Environmental Assessment  |  |   |
|-----------------------|---|--|---|--|---|
|                       |   |  | 8-Mile Site (R3)  | Extend Existing (E1)   | No Build  |
| Safety                | 20  | Distance from Landfill and Lagoon<br><i>Farther=Better, FAA requires 10,000 feet</i>   | 12,970 feet from existing lagoon<br>14,870 feet from proposed landfill  | 4,000 feet from existing lagoon<br>4,700 feet from existing landfill<br>more than 23,000 feet from proposed landfill   | 3,900 feet from existing lagoon<br>3,800 feet from existing landfill<br>More than 23,000 feet from proposed landfill  |
|                       | 13  | Approach Capabilities (terrain limitations)<br><i>Big difference for medevac, no significant difference for day to day activity</i><br><b>MDA (Minimum Descent Altitude)-The lowest altitude a plane can fly by instrument alone, before landing.</b><br><b>MAP (Missed Approach Point)- A point at which a plane has to cancel a landing because of poor visibility.</b><br><br><i>MDA Lower=Better, MAP Shorter=Better</i> | MDA= 700 feet for NE approach<br><br>MDA= 600 feet for SW approach<br><br>MAP= 1-mile visibility for approaching either end | MDA= 1060 feet (visibility of 1.25 statute miles for category A aircraft and 1.5 statute miles for category B aircraft)<br><br>MAP= 1-mile west of Airport, due to terrain, a straight in approach is not visible. | MDA= 1060 feet (visibility of 1.25 statute miles for A and 1.5 statute miles for B category aircraft)<br><br>Due to terrain, a straight in approach is not visible. |
|                       | 10  | Wind Coverage<br><i>Affects day to day operations</i><br><br><i>Higher %=Better, FAA requires at least 95%</i>   | 13 knots = 97.83%. Pilot's comment that farther from hill better winds  | 13 knots = 89.62%, Higher overall crosswind and range of winds (no improvement)  | 13 knots = 93.62%, Higher overall crosswind and range of winds  |
|                       | 7   | Obstructions<br>(for example fuel tanks, properties)   | None  | Community and tank farm (distance = 2,950 feet), Army in Runway Protection Zone  | Community and tank farm (distance = 1,970 feet)   |
|                       | 20  | Construction Costs   | \$10,880,083  | \$9,401,025  | None  |
| Good Engineering      | 10  | Maintenance & Operations (M&O) Costs<br>(Considered on a cost per mile basis. However, according to the ADOT&PF M&O supplement, the costs of all alternatives will be the same because of wind factors that affect drifting and snow removal.)   | 20.03 lane miles<br>Minimal snow drifting will occur.   | 15.40 lane miles<br>Snow drifting will continue to occur.  | 8 lane miles (existing)<br>Snow drifting does occur.  |
|                       | 5   | Geology/Long Term Stability  | Decent soil conditions - should be uniform, relatively flat terrain, silt fill section                                      | Unfavorable soil conditions; more than 12 feet of peat - will continue to consolidate over time  | Existing facility decent, soft and muddy surface during spring breakup or heavy rains and shallow ponding along the centerline after rain                           |
|                       | 5   | Future Expansion Possibilities   | No readily apparent concerns  | Limited by subsurface and terrain<br>Community expansion limited   | Limited by subsurface and terrain<br>Community expansion limited  |
| Environmental Impacts | 10  | Convenience of Access/ Proximity to Community  | Additional 3.9 miles beyond Manokotak Heights<br>Community concerns with road closure                                       | Close to clinic and main population  | Closest to clinic and main population   |
|                       | 8   | Wetlands   | Minimal impacts- material site possible wetlands  | Entire extension in wetlands   | No impact   |
|                       | 7   | Costs to users   | Increased commuter costs from old Manokotak<br>(distance= 7.9 miles)  | Similar to current, longer access road giving a possibility for higher commuter cost   | Same as current   |
|                       | 5   | Land Acquisition   | No relocations, 217.0 acres of property to be acquired from one land owner.   | One residential relocation, 63.0 acres of property to be acquired  | No additional land needed- Reduced Runway Protection Zone and existing homes within approach  |

<sup>19</sup> *Id.*, 1902-1903 (Stearns, ed.), for 1899-1900, 1900-1901, 1901-1902, 1902-1903.

Alternative RIA was eliminated based on the following:

- This alternative was eliminated based on the following:**

- Page 5 of 5



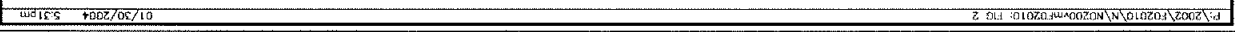
PLANS DEVELOPED BY:  
PDC, INC.

**LOCATION & VICINITY MAPS**  
**MANOKOTAK AIRPORT IMPROVEMENTS**

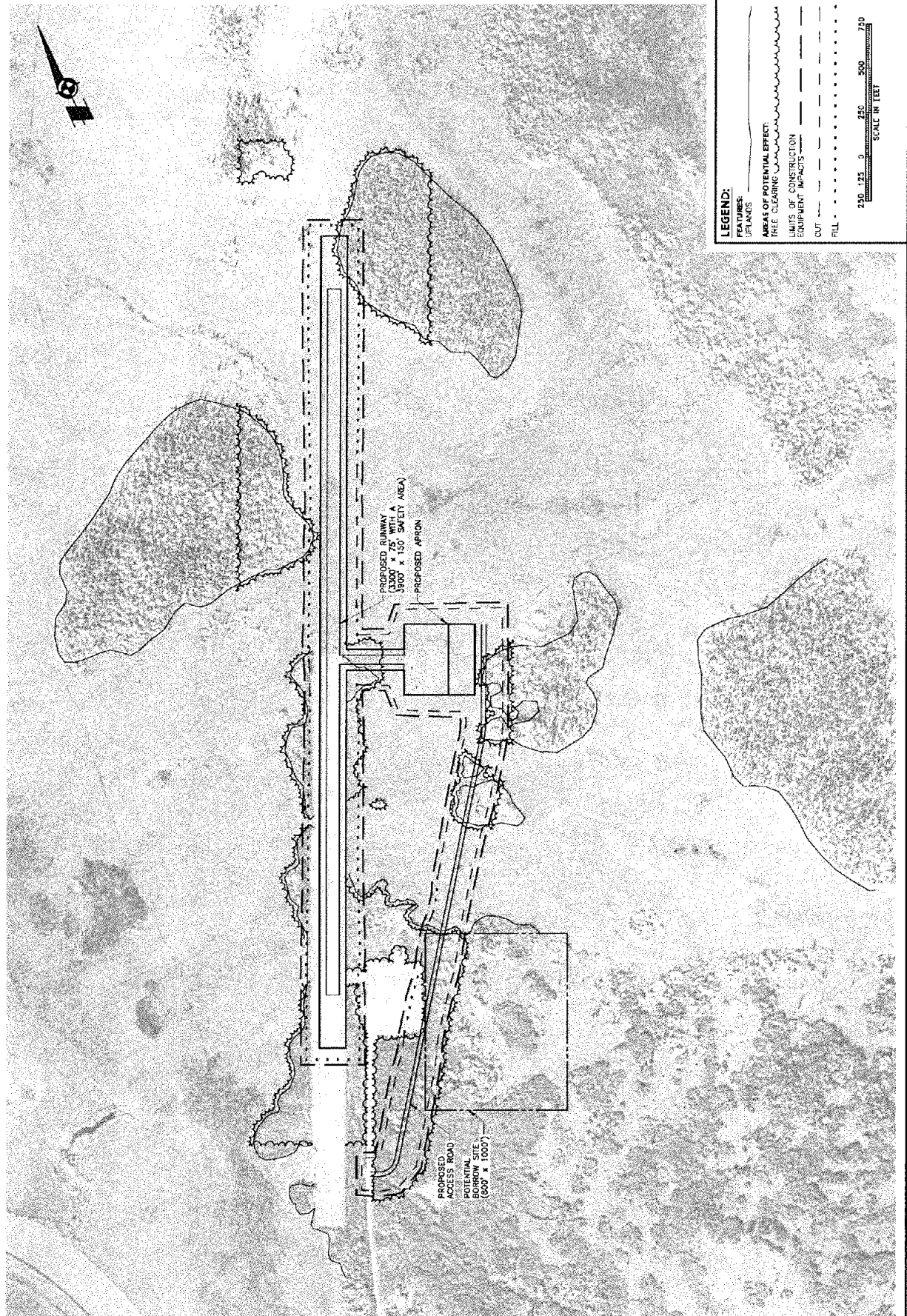
**MANOKOTAK, ALASKA**

DESIGN:  
DRAWN: CFP/GDS  
CHECK: RLC  
JAN 2004

PROJ. No.  
**F02010**  
FIGURE  
**1**







**LEGEND:**

FEATURES:  
SURFACES

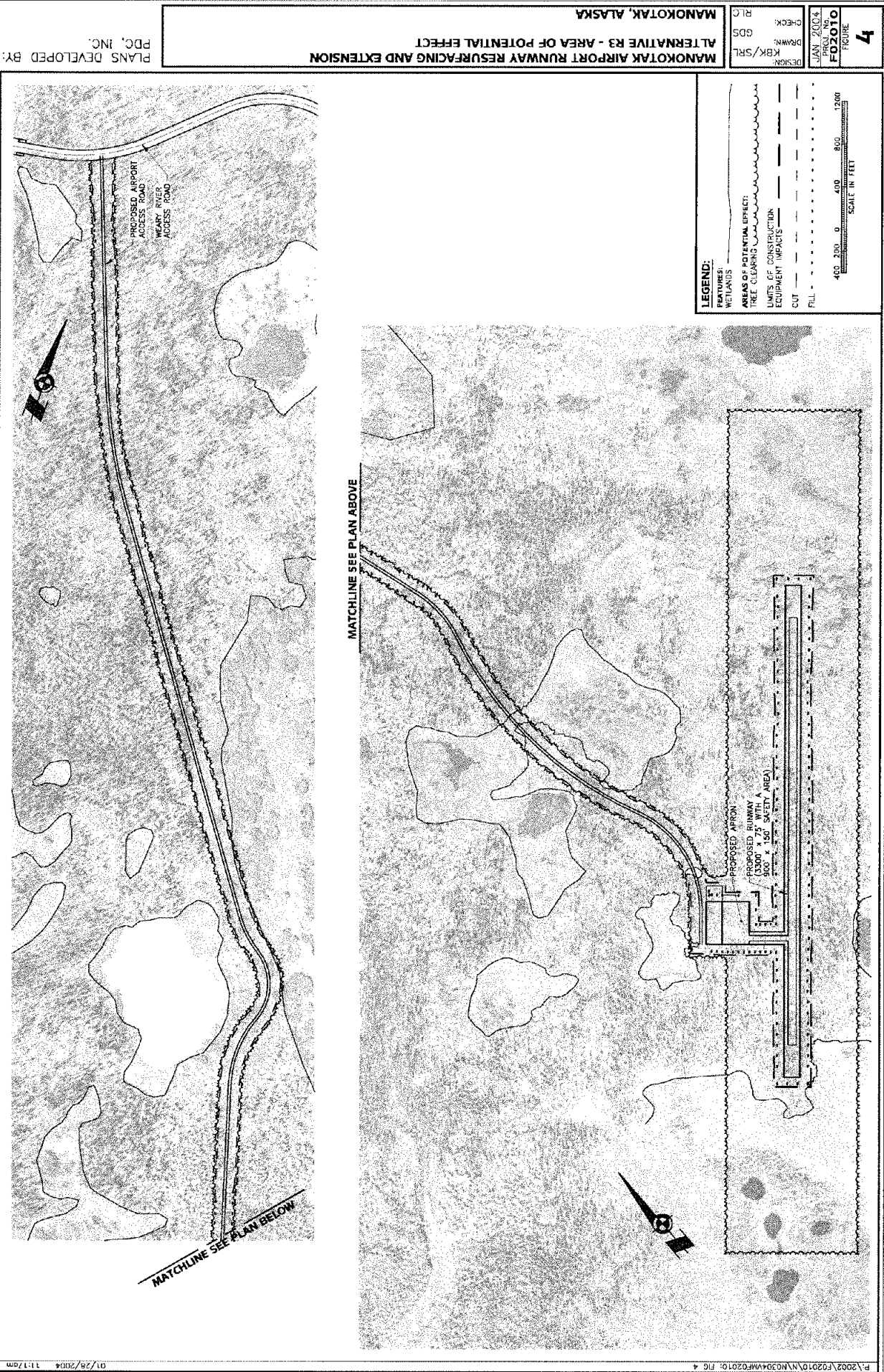
AREA OF POTENTIAL EFFECT  
TREE CLEARING

LIMITS OF CONSTRUCTION  
EQUIPMENT IMPACTS

CUT

FILL

250 125 0 250 500 750  
SCALE IN FEET



| Organization                         | First Name | Last Name | Title                   | Greeting           | Address                             | City/State/Zip           | Phone          | Fax            | E-Mail   | Type | Comments   |
|--------------------------------------|------------|-----------|-------------------------|--------------------|-------------------------------------|--------------------------|----------------|----------------|--|------|--|
| Aircraft Owners & Pilots Association | Tom        | George    | Regional Representative | Dear Mr. George    | P.O. Box 83750                      | Fairbanks, AK 99708-3750 | (907) 455-9000 | (907) 455-9001 | tgeorge@mosquitonet.com or tom.george@aopa.org | User | We are providing this information to keep your organization informed of the proposed improvements to the Manokotak Airport. We did not hear from your organization during the initial scoping process, and assume that it was because you had no concerns regarding the proposed project. The input of organizations such as yours is vital to ensuring that the needs of General Aviation users are addressed at rural airports.<br><br>Please review the proposed alternatives. If your organization has any concerns regarding the impact of proposed alternatives on aviation operations or airport safety, please do not hesitate to contact us.              |
| Alaska Air Carriers Association      | Karen      | Casanovas | Executive Director      | Dear Ms. Casanovas | 2301 Merrill Field Drive, Suite A-3 | Anchorage, AK 99501      | 277-0071       | 277-0072       | kucua@ptialaska.net                            | User | We are providing this information to keep your organization informed of the proposed improvements to the Manokotak Airport. We did not hear from your organization during the initial scoping process, and assume that it was because you did not have any concerns regarding the proposed project. The input of organizations such as yours is vital to ensuring that the needs of commercial aviation users are addressed at rural airports.<br><br>Please review the proposed alternatives. If your organization has any concerns regarding the impact of proposed alternatives on aviation operations or airport safety, please do not hesitate to contact us. |
| Alaska Airmen's Association, Inc.    | Felix      | Maguire   | President               | Dear Mr. Maguire   | P.O. Box 241185                     | Anchorage, AK 99524-1185 | (907) 342-8401 | (907) 245-1251 | felixmaguire@yahoo.com                         | User | We are providing this information to keep your organization informed of the proposed improvements to the Manokotak Airport. We did not hear from your organization during the initial scoping process, and assume that it was because you did not have any concerns with the proposed project. The input of organizations such as yours is vital to ensuring that the needs of General Aviation users are addressed at rural airports.<br><br>Please review the proposed alternatives. If your organization has any concerns regarding the impact of proposed alternatives on aviation operations or airport safety, please do not hesitate to contact us.         |

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| Organization  | First Name | Last Name | Title                    | Greeting           | Address           | City/State/Zip      | Phone          | Fax            | E-Mail                    | Type   | Comments   |
|---|------------|-----------|--------------------------|--------------------|-------------------|---------------------|----------------|----------------|---------------------------|--------|--|
| Alaska Aviation Safety Foundation   | Tom        | Wardleigh | President                | Dear Mr. Wardleigh | 4340 Postmark Dr. | Anchorage, AK 99502 | (907) 243-7237 | (907) 243-7237 |                           | User   | We are providing this information to keep your organization informed of the proposed improvements to the Manokotak Airport. We did not hear from your organization during the initial scoping process, and assume that it was because you did not have any concerns regarding the proposed project. The input of organizations such as yours is vital to ensuring that the safety needs of aviation users are addressed at rural airports.<br><br>Please review the proposed alternatives. If your organization has any concerns regarding the impact of proposed alternatives on aviation operations or airport safety, please do not hesitate to contact us. |
| Alaska Department of Environmental Conservation<br>Division of Statewide Public Service | Alan       | Wien      | Environmental Specialist | Dear Mr. Wien      | P.O. Box 871064   | Wasilla, AK 99687   | 376-5038       | 376-2382       | Alan.Wien@dec.state.ak.us | Agency | We are providing this information to keep your organization informed of the proposed improvements to the Manokotak Airport. Similar letters are being sent to all divisions of ADEC. We did not hear from your division during the initial scoping process, and assume that it was because you had no concerns regarding the proposed project.<br><br>Please review the proposed alternatives. If your agency has any specific concerns regarding the impact of proposed alternatives, please do not hesitate to contact us.   |

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| Organization  | First Name | Last Name | Title                               | Greeting        | Address                                 | City/State/Zip      | Phone    | Fax      | E-Mail                            | Type   | Comments   |
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| Alaska Department of Fish and Game<br>Division of Sport Fish                | Robin      | Willis    | Biologist                           | Dear Ms. Willis | 333 Raspberry Rd.                       | Anchorage, AK 99518 | 267-2182 | 267-2433 | Robin_Willis@fishgame.state.ak.us | Agency | <p>We are providing this information to keep your agency informed of the proposed improvements to the Manokotak Airport. A similar letter is being sent to the Department of Natural Resources, Office of Habitat Management &amp; Permitting.</p> <p>Please review the proposed alternatives. If your agency has any specific concerns regarding the impacts of the proposed alternatives on wildlife in the Manokotak area, please do not hesitate to contact us. In order to ensure a complete analysis of environmental impacts associated with the proposed project, we are specifically requesting the following information:</p> <ul style="list-style-type: none"> <li>• Wildlife other than fish that occur in the vicinity of</li> <li>• Whether the proposed project would affect wildlife habitat.</li> <li>• Any clearances to be obtained from your agency for</li> </ul>  |
| Alaska Department of Natural Resources<br>Office of History and Archaeology | Judith     | Bitner    | State Historic Preservation Officer | Dear Ms. Bitner | 555 W. 7 <sup>th</sup> Ave., Suite 1310 | Anchorage, AK 99501 |          |          | Judith_Bitner@dnr.state.ak.us     | Agency | <p>Thank you for your agency's participation in our project scoping process. We appreciate the helpful coordination that Stefanie Ludwig has provided to date in determining the need for a field reconnaissance survey. We are providing this information to keep your agency informed of the proposed improvements to the Manokotak Airport, and look forward to your continued participation.</p> <p>A pedestrian survey of the project area was conducted in November 2003. This included subsurface testing of areas considered to have a high or moderate potential for the presence of cultural resources. No historic or archaeological resources were identified. The report is being forwarded to your office under separate cover for your evaluation and concurrence.</p> <p>Should your agency have any additional concerns regarding the impact of project alternatives on historical, architectural, archaeological, or cultural resources, please do not hesitate to contact us.</p> |

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| Alaska Department of Natural Resources<br>Office of Project Management and Permitting | Cynthia    | Zuelow-Osborne | Project Review Assistant | Dear Ms. Zuelow-Osborne | 550 W. 7th Ave., Suite 1660 | Anchorage, AK 99501 | 269-7470 | 269-3981 | Cynthia_Zuelow-Osborne@dnr.state.ak.us | Agency | <p>We are providing this information to keep your agency informed of the proposed improvements to the Manokotak Airport. Similar letters are being provided to other divisions of ADNRR. We did not hear from your office during our initial scoping effort, and we assume it is because you had no concerns regarding the proposed project.</p> <p>The proposed project is located in the Bristol Bay Coastal Resource Service Area coastal zone (BBCRSA). Mr. Andrew deValpine of the BBCRSA has been very involved with the project. He has been in frequent contact and attended the public meeting held on September 11, 2003, in Manokotak. During our field visit conducted on that date, Mr. deValpine indicated that the project was far enough inland that it would have minimal effect on the coastal zone.</p> <p>If your agency has any specific concerns regarding the impact of the proposed project on the coastal zone or the consistency of the proposed project with the goals and objectives of the Bristol Bay CSRA, please do not hesitate to contact us.</p> |
| Alaska Department of Natural Resources<br>Wood-Tikchik State Park                     | Dan        | Hourihaan      | Area Ranger              | Dear Mr. Hourihan       | 550 W 7th Ave, Suite 1380   | Anchorage, AK 99501 | 269-8698 | 269-8907 | Dan_Hourihaan@dnr.state.ak.us          | Agency | <p>We are providing this information to keep your agency informed of the proposed improvements to the Manokotak Airport. Similar letters are being sent to the various divisions of ADNRR.</p> <p>Our preliminary review of the ADNRR DPOR Catalog of the Alaska State Park System indicates that the Wood-Tikchik State Park is located in the vicinity of the project general area of Manokotak. Given the distance between the Manokotak and the park boundary, the proposed project is not expected to impact the park.</p> <p>If your agency has any specific concerns regarding impacts of the proposed project on park resources or operations, please do not hesitate to contact us.</p>  |

| Organization  | First Name | Last Name | Title          | Greeting          | Address                                | City/State/Zip           | Phone    | Fax      | E-Mail                       | Type   | Comments  |
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| Alaska Department of Natural Resources<br>Division of Mining, Land and Water          | Bob        | Loeffler  | Director       | Dear Mr. Loeffler | 550 West 7th Ave., Suite 1070          | Anchorage, AK 99501-3579 | 269-8600 | 269-8904 | Bob.Loeffler@dnr.state.ak.us | Agency | <p>We are providing this information to keep your agency informed of the proposed improvements to the Manokotak Airport. Similar letters are being sent to the various divisions of ADNRR. We did not hear from your agency during our initial scoping process, and we assume it was because you have no concerns regarding the proposed project.</p> <p>If your agency has any specific concerns regarding impacts of the proposed project on state resources under your jurisdiction, please do not hesitate to contact us. In order to ensure a complete analysis of environmental impacts associated with the proposed project, we are specifically requesting the following information:</p> <ul style="list-style-type: none"> <li>Land Use Plans – Please identify existing or proposed that might conflict with the proposed project.</li> <li>Land Use Permits – Are there any state lands in the such as Land Use Permits, Leases, Rights-of-Way, issued which would conflict with the project?</li> <li>Permits – Please identify any permits or clearances proposed project.</li> </ul> |
| Alaska Department of Natural Resources<br>Office of Habitat Management and Permitting | Ed         | Weiss     | Area Biologist | Dear Mr. Weiss    | 333 Raspberry Road 550 W. 7th Ave. nua | Anchorage, AK 995178     | 267-2285 | 267-2464 | Ed.Weiss@dnr.state.ak.us     | Agency | <p>Thank you for your agency's continued involvement in our project scoping process. Your participation at the agency coordination meeting provided valuable assistance in the development of the project. We are providing this information to keep your agency informed of the proposed improvements to the Manokotak Airport.</p> <p>If your agency has any specific concerns regarding impacts of the proposed project on anadromous fish under your jurisdiction, please do not hesitate to contact us. In order to ensure a complete analysis of environmental impacts associated with the proposed project, we are specifically requesting the following information:</p> <ul style="list-style-type: none"> <li>Any other information regarding anadromous or re proposed project, including spawning/rearing habits</li> <li>Any permits or clearances to be obtained from your</li> </ul>   |

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| Organization   | First Name | Last Name | Title                   | Greeting               | Address       | City/State/Zip       | Phone    | Fax | E-Mail             | Type   | Comments  |
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| ALL AIR CARRIERS<br>(see list)                                 |            |           |                         | To Whom It May Concern |               |                      |          |     |                    | Users  | <p>We are providing this information to keep your company informed of the proposed improvements to the Manokotak Airport. Please review the project alternatives. If your company has any specific concerns regarding the impact of the proposed project on air carrier operations, please do not hesitate to contact us.</p>   |
| Bristol Bay Economic Development Corporation                   | Bryce      | Edgmon    | Chief Operating Officer | Dear Mr. Edgmon        | P.O. Box 1464 | Dillingham, AK 99576 | 842-6402 |     |                    |        | <p>We are providing this information to keep your organization informed of the proposed improvements to the Manokotak Airport.</p> <p>Please review the project alternatives and let us know of any concerns your corporation might have with the proposed project. In order to ensure a complete analysis of environmental impacts associated with the proposed project, we are specifically requesting the following information:</p> <ul style="list-style-type: none"> <li>Identify any existing or proposed zoning requirements permits are required, please identify which ones.</li> <li>Identify any other local improvement project(s) under the project within the foreseeable future.</li> </ul> |
| Bristol Bay Native Association<br>Natural Resources Department | Ralph      | Andersen  | Program Manager         | Dear Mr. Andersen      | P.O. Box 310  | Dillingham, AK 99576 | ext. 361 |     | randersen@bbna.com | Agency | <p>We are providing this information to keep your organization informed of the proposed improvements to the Manokotak Airport. Please review the proposed alternatives and identify any concerns BBNA Natural Resources might have with the proposed project. Also, please let us know if your association supports the project.</p>  |
| Bristol Bay Native Association<br>Land Management Services     | Alan       | Backford  | Acting Realty Officer   | Dear Mr. Backford      | P.O. Box 310  | Dillingham, AK 99576 | ext. 335 |     | abackford@bbna.com | Agency | <p>We are providing this information to keep your organization informed of the proposed improvements to the Manokotak Airport.</p> <p>Please review the proposed alternatives and identify any concerns your association might have with the proposed project. In order to ensure a complete analysis of environmental impacts associated with the proposed project, we are specifically requesting the following information:</p> <ul style="list-style-type: none"> <li>Any information regarding corporation or Native all project.</li> <li>Does your association support the project?</li> </ul>   |

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| Bristol Bay Native Corporation                                       | Hjalmar    | Olson     | President/CEO  | Dear Mr. Olson  | 800 Cordova St., Suite 200 | Anchorage, AK 99501-6299 | 278-3602       | 276-3924 |                  | Agency | <p>Thank you for your organization's continued participation in our project scoping process. Jack Moores' efforts have proved invaluable in the development and advancement of the proposed project.</p> <p>Please review the proposed alternatives and identify any concerns your corporation might have with the proposed project. Please identify any permit requirements for the surface or subsurface use of land in the project area. Also, please indicate whether your corporation continues to support the proposed project.</p>  |
| Bristol Bay Native Corporation Land and Resources Department         | John C.    | Moores    | Director       | Dear Mr. Moores | 800 Cordova St., Suite 200 | Anchorage, AK 99501-6299 | 1-800-426-3602 |          | Mooresj@bbnc.net | Agency | <p>Thank you for your organization's continued participation in our project scoping process. We appreciate your efforts to date, and look forward to your continued participation.</p> <p>Please review the proposed alternatives and identify any concerns that the BBNC Land and Resources Department might have with the proposed project. In order to ensure a complete analysis of environmental impacts associated with the proposed project, we are specifically requesting the following information:</p> <ul style="list-style-type: none"> <li>• Please provide any information regarding corporate affected by the project.</li> <li>• Identify any other permit requirements needed for project area.</li> <li>• Does your corporation continue to support the project?</li> </ul> |
| Bureau of Indian Affairs W. Central Alaska Field Office Realty Dept. | Rose       | Brady     | Realty Officer | Dear Ms. Brady  | 3301 C St., Suite 1100     | Anchorage, AK 99503-3935 | 271-4697       | 271-1747 |                  | Agency | <p>Thank you for your agency's participation in our project scoping process. We appreciate your efforts to date, and look forward to your continued participation.</p> <p>In order to ensure a complete analysis of environmental impacts associated with the proposed, please provide any information regarding corporate or Native allotment lands or Federally-restricted lots that might be affected by the project.</p>   |

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| Bureau of Land Management | Henri      | Bisson    | Alaska State Director | Dear Mr. Bisson | 222 W. 7th Ave., #13 | Anchorage, AK 99504 | 271-5080 | 271-4596 |        | Agency     | <p>We are providing this information to keep your agency informed on the proposed airport improvements at Manokotak. We did not hear from your agency during the initial scoping process, and assume it was because your agency has no concerns regarding the proposed project.</p> <p>We have researched the BLM website with respect to BLM Recreation Areas and conducted preliminary land status research using BLM Master Title Plats of the general project area. Our preliminary research indicates that the existing airport is in a BLM lease area. Alternative E1 would impact this lease area. In addition, there is a chance that Alternative R3 would affect the Manokotak-Dillingham 17(b) trail.</p> <p>Please review the proposed alternatives and identify any clearances to be obtained from your agency for the proposed project. If you have any other information on Recreation Areas, Native Allotments, or other private lands in the project area that might potentially be affected by the proposal, please provide that information as well.</p> |
| City of Manokotak         | Kenneth    | Nukwak    | Mayor                 | Dear Mr. Nukwak | P.O. Box 170         | Manokotak, AK 99628 | 289-1027 | 289-1082 |        | Government | <p>We have met with the community on three occasions since March of 2003. During this stage of the process, it is necessary for us to assess specific impacts the proposed alternatives may have on your community.</p> <p>Please review the proposed alternatives and identify any concerns you might have with the proposed project. In order to ensure a complete analysis of environmental impacts associated with the proposed project, we are specifically requesting the following information:</p> <ul style="list-style-type: none"> <li>• Are the current alternatives consistent with subsistence?</li> <li>• Identify any existing or proposed zoning requirements; if permits are required, please identify them.</li> <li>• Identify any other local improvement project(s) and construction in the vicinity of the proposed project.</li> <li>• Please provide any information regarding land ownership.</li> <li>• Does the City continue to support the project?</li> </ul>   |

| Organization                              | First Name | Last Name    | Title                    | Greeting              | Address                        | City/State/Zip         | Phone         | Fax      | E-Mail             | Type   | Comments  |
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| Environmental Protection Agency Region 10 | Judith     | Leckrone-Lee | Environmental Specialist | Dear Ms. Leckrone-Lee | 1200 Sixth Avenue (MS ECO-088) | Seattle, WA 98101-1128 | (206)553-6911 | 553-6984 | Lee.Judith@epa.gov | Agency | <p>We are providing this information to keep your organization informed of the proposed improvements to the Manokotak Airport. We did not hear from your division during the initial scoping process, and assume it was because you had no concerns regarding the proposed project.</p> <p>We conducted a Phase I Hazardous Materials Site Assessment of the alternative locations in September 2003. This investigation revealed no areas of potential concern in the project vicinity.</p> <p>Please review the proposed alternatives. If your division has any specific concerns regarding the proposed project, please do not hesitate to contact us. In order to ensure a complete analysis of environmental impacts associated with the proposed project, we are specifically requesting the following information:</p> <ul style="list-style-type: none"> <li>Any sole source or principal drinking water sources project.</li> <li>Any other confirmed or suspected contaminated site aboveground fuel storage tanks that might affect or</li> <li>Any permits or clearances to be obtained from you</li> </ul> |
| Manokotak Natives Limited                 | Nels       | Franklin     | President/CEO            | Dear Mr. Franklin     | P.O. Box 149                   | Manokotak, AK 99628    | 289-1062      |          |                    | Agency | <p>We have met with the community on three occasions since March 2003. During this stage of the process, it is necessary for us to assess specific impacts the proposed alternatives may have on your community.</p> <p>Please review the proposed alternatives and identify any concerns you might have with the proposed project. In order to ensure a complete analysis of environmental impacts associated with the proposed project, we are specifically requesting the following information:</p> <ul style="list-style-type: none"> <li>Does your organization continue to support the project?</li> <li>Please provide any information regarding corporate affected by the project.</li> <li>Are the current alternatives consistent with subsistence</li> <li>Identify any other permit requirements needed for the project area.</li> </ul>   |

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| Organization              | First Name | Last Name  | Title     | Greeting          | Address      | City/State/Zip      | Phone    | Fax | E-Mail         | Type       | Comments  |
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| Manokotak Power Company   | Carl       | Itumulia   | Manager   | Dear Mr. Itumulia | P.O. Box 149 | Manokotak, AK 99628 | 289-1062 |     |                |            | <p>On November 18, 2003, we sent a letter to Manokotak Natives, Ltd., concerning the increased power demand associated with airport improvements at Manokotak. This letter requested verification that the Manokotak Power Company could meet the expected electrical demand. Please review that letter and send us the requested verification.</p> <p>Also, please review the proposed alternatives and identify any concerns your company might have with the proposed project.</p>   |
| Manokotak Village Council | Michael    | Gloko, Sr. | President | Dear Mr. Gloko    | P.O. Box 169 | Manokotak, AK 99628 | 289-2067 |     | makvc@bbna.com | Government | <p>We have met with the community on three occasions since March of 2003. During this stage of the process, it is necessary for us to assess specific impacts the proposed alternatives may have on your community.</p> <p>Please review the proposed alternatives and identify any concerns you might have with the proposed project. In order to ensure a complete analysis of environmental impacts associated with the proposed project, we are specifically requesting the following information:</p> <ul style="list-style-type: none"> <li>Please provide any information regarding corporate affected by the project.</li> <li>Does the council continue to support the project?</li> <li>Identify any existing or proposed zoning requirements that might require permits. If permits are required,</li> <li>Are the current alternatives consistent with subsistence</li> <li>Identify any local improvements or projects that are of the project.</li> </ul> |



| Organization   | First Name | Last Name | Title                          | Greeting          | Address                   | City/State/Zip               | Phone    | Fax      | E-Mail                  | Type   | Comments   |
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| National Marine Fisheries Service<br>Habitat Conservation Division | James      | Balsiger  | Regional Administrator         | Dear Mr. Balsiger | P.O. Box 21668            | Juneau, AK 99802-1668        |          |          | James.Balsiger@noaa.gov | Agency | <p>Thank you for your letter dated September 24, 2003. We understand from that letter that the proposed project is not likely to affect endangered marine mammals or their critical habitat. We also understand that you concur with our determination that the project will not affect Essential Fish Habitat (EFH).</p> <p>We are providing this information to keep your agency informed on modifications to the proposed project. These modifications are not expected to alter your previous determinations.</p> <p>If your agency has any specific concerns regarding the impact of the proposed project on Essential Fish Habitat or threatened or endangered marine mammals under your jurisdiction, please do not hesitate to contact us.</p> |
| National Park Service  | Rob        | Amberger  | Alaska Regional Director       | Dear Mr. Amberger | 250 W. 5th Ave., Room 114 | Anchorage AK 99501           |          |          | Rob.Amberger@nps.gov    | Agency | <p>We are providing this information to keep your agency informed on the proposed airport improvements at Manokotak. We did not hear from your agency during the initial scoping effort, and assume it was because you had no concerns regarding the proposed project.</p> <p>Please review the proposed alternatives. If you have any concerns regarding lands or issues under National Park Service jurisdiction, please do not hesitate to contact us.</p>  |
| U.S. Army Corps of Engineers<br>CEPOA-EN-CW-HH                     | Harlan     | LeGare    | Chief of Floodplain Management | Dear Mr. LeGare   | P.O. Box 6898             | Elmendorf AFB, AK 99506-0898 | 753-2610 | 753-2625 |                         | Agency | <p>We are providing this information to your agency to keep you informed on the proposed improvements to the Manokotak airport. We did not hear from your office during the initial scoping effort, and we assume it was because you had no concerns regarding the proposed project.</p> <p>We have found no Federal Emergency Management Agency Flood Maps for Manokotak, Alaska. In order to ensure a complete analysis of environmental impacts associated with the proposed project, please provide any information you may have about the base floodplains, regulatory floodways, and/or special flood hazard areas of drainages that might be affected by the proposed project.</p>  |

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| U.S. Army Corps of Engineers<br>Regulatory Branch | Mary       | Leykom    | Regulatory Specialist            | Dear Ms. Leykom | P.O. Box 6898     | Elmendorf AFB, AK 99506-6898 | 800-478-2712 |     |        | Agency | <p>Thank you for your participation in the agency coordination meeting and field site visits and for your letter dated October 9, 2003. Based on your letter, we understand that the proposed project would require a Department of the Army (DA) Section 404 permit for the placement of dredged and/or fill material into waters of the United States (wetlands), and that there are no Section 10 navigable waters in the project area under the Corps' jurisdiction.</p> <p>As you are aware, a field wetland delineation was conducted in September 2003. The final report is being sent to you under separate cover for your jurisdictional determination. The Environmental Assessment will assess the impacts of the proposed alternatives on specific wetlands, and a permit application will be submitted for the preferred alternative.</p> <p>Please review the proposed alternatives. If you have any additional comments or concerns regarding the proposed project, please do not hesitate to contact us.</p> |
| U.S. Bureau of Indian Affairs                     | Kristin    | K'eit     | Regional Environmental Scientist | Dear Ms. K'eit  | P.O. Box 25520    | Juneau, AK 99802             |              |     |        | Agency | <p>Thank you for your agency's participation in our project scoping process. We appreciate your efforts to date, and look forward to your continued participation.</p> <p>Please review the proposed alternatives and identify any concerns your agency may have regarding the proposed project.</p>   |
| U.S. Bureau of Indian Affairs<br>Branch of Roads  | Art        | Ihigh     | Highway Engineer                 | Dear Mr. Ihigh  | 709 West 9th Ave. | Juneau, AK 99801             |              |     |        | Agency | <p>Thank you for your agency's participation in our project scoping process. We appreciate your efforts to date, and look forward to your continued participation.</p> <p>Please review the proposed alternatives and identify any concerns your agency may have regarding the proposed project.</p>   |

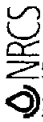


| Organization   | First Name | Last Name  | Title  | Greeting            | Address                         | City/State/Zip        | Phone    | Fax      | E-Mail | Type   | Comments  |
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| U.S. Bureau of Indian Affairs<br>Branch of Roads                         | Mark       | Boatwright | Archaeologist                                | Dear Mr. Boatwright | 709 West 9 <sup>th</sup> Ave.   | Juneau, AK 99801      |          |          |        | Agency | Thank you for your agency's participation in our project scoping process. We appreciate your efforts to date, and look forward to your continued participation.<br><br>Please review the proposed alternatives and identify any concerns your agency may have regarding the proposed project.   |
| U.S. Department of Agriculture<br>Natural Resources Conservation Service | Philip     | Naegele    | Assistant State Conservationist (Operations) | Dear Mr. Naegele    | 800 W. Evergreen St., Suite 100 | Palmer, AK 99645      | 761-7758 | 761-7790 |        | Agency | Although we believe that no Prime or Unique Farmland or Farmlands of State or Local Importance will be affected by the project, a confirmation from your agency would be appreciated.   |
| U.S. Department of Agriculture<br>Wildlife Services                      | Corey      | Rossi      |  | Dear Mr. Rossi      | 1800 Glenn Highway, Suite 12    | Palmer, AK 99645-6736 | 745-7200 |          |        | Agency | On January 16, 2003, a letter was sent to you summarizing wildlife hazard observations made during our September 2003 field wetlands investigation and information obtained from Togiak NWR regarding wildlife in the Manokotak area.<br><br>The community is also considering relocating the landfill. Two potential relocation sites are currently under review. One is approximately 1½ miles east of the existing runway (Alternative E1) and 3 miles west of the Alternative R3 runway site. The other is more than 4 miles east of E1 and 2.8 miles north of R3.<br><br>Please advise us whether a wildlife hazard survey is needed so that we can make arrangements for the survey to be conducted during the 2004 field season. |

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| U.S. Fish and Wildlife Service<br>Togiak National Wildlife Refuge   | Paul       | Liedberg  | Refuge Manager | Dear Mr. Liedberg  | P.O. Box 10201270          | Dillingham, AK 99576 | 842-1063 |     | togiak@fws.gov | Agency | We are providing this information to keep your agency informed of the proposed improvements to the Manokotak Airport.<br><br>Please review the proposed alternatives and identify any specific concerns you may have regarding potential impacts of the proposed project on refuge resources or operations. In order to ensure a complete analysis of environmental impacts associated with the proposed project, we are specifically requesting the following information: <ul style="list-style-type: none"><li>Any permits or clearances to be obtained from you</li><li>Any refuge objectives or activities that might conflict</li><li>Important fish and wildlife habitats or migration corridors</li><li>Known active or inactive eagle nests in the project area</li><li>A map of the refuge boundaries adjacent to Manokotak</li></ul> |
| U.S. Fish and Wildlife Service<br>Western Alaska Ecological Service | Ann        | Rappoport |                | Dear Ms. Rappoport | 605 W. 4th Ave., Room G-61 | Anchorage, AK 99501  |          |     |                | Agency | Thank you for your agency's participation in our project scoping process. We appreciate Fran Mann's previous coordination on wetland issues, and look forward to her continued participation. Fran's specific concerns regarding the wetland status at the potential material site near Alternative R3 were addressed, and our preliminary wetland delineation has been forwarded to the U.S. Army Corps of Engineers for a formal jurisdictional determination.<br><br>Please review the proposed alternatives and identify any specific concerns your agency may have regarding impacts to fish and wildlife habitat in the project area.   |

Note: Copies of the letter to the City of Manokotak were also forwarded to:  
Senator Lyman Hoffman, Alaska State Capitol, Room 514, Juneau, AK 99801-1182  
Representative Carl Moses, Alaska State Legislature, 716 W. 4<sup>th</sup> Ave., Suite 470, Anchorage, AK 99501-2133



Natural Resources Conservation Service  
800 West Evergreen Street, Suite 100  
Palmer, Alaska 99645  
(907) 761-7700  
FAX (907) 761-7790

February 10, 2004

Steve Becker  
Environmental Coordinator  
PDC Inc.  
1028 Aurora Drive  
Fairbanks, AK  
99709-5529

Dear Mr. Becker,

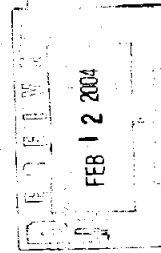
There are no *Prime Farmlands* designated in Alaska. Using the criteria established by Congress, Alaska soils are excluded due to cold climate conditions. Also, no *Unique Farmlands* or *Farmlands of Statewide Importance* have ever been established within Alaska by any unit of government.

The Palmer and the Wasilla Soil and Water Conservation Districts have formally established *Soils of Local Importance* within the boundaries of their respective districts. These include all soils designated in Land Capability Classes 2c, 2e, 2w, 2s, 3e, 3w, 3s, or 4c as determined by either a soil survey or on-site soils investigation.

Currently, these are the only designated *Soils of Local Importance* in Alaska.

  
Joe Moore  
State Soil Scientist

cc: Phil Naegele, Asst. State Conservationist (Operations), NRCS, Palmer



The Natural Resources Conservation Service provides leadership in a partnership effort to help people conserve, maintain, and improve our natural resources and environment.



January 16, 2004

55343

Corey Rossi  
U.S. DEPARTMENT OF AGRICULTURE, WILDLIFE SERVICES  
1800 Glenn Highway, Suite 12  
Palmer, Alaska 99645-6736

**Wildlife Hazard Observations  
Manokotak Airport Improvements  
ADOT & PF State Project No. 55313**

Dear Corey:

PDC Consulting Engineers, Inc. (PDC), retained MACTEC to provide environmental support for the Natural/Biological Environment and Hazardous Materials portion of the Alaska Department of Transportation and Public Facilities (ADOT&PF) Manokotak Airport Improvement Project. The general scope of the proposed project is to build a new airport to meet current ADOT&PF and Federal Aviation Administration (FAA) standards. In general the proposed project would include the following: (1) lengthen, widen, and resurface the existing runway or relocate to a new site; (2) relocate the apron to meet separation standards; (3) clear vegetation from the runway and approach zones; and (4) eliminate runway end obstructions to the extent practicable in order to meet non-precision approach standards.

There are currently three airport relocation alternatives being considered (see Figures 1 and 2):

- Alternative E1 – Extend the Existing Runway. This alternative would resurface, extend, and widen the runway at its present location. The apron would be relocated to the required separation distance for safety.
- Alternative R1A – Relocate the Airport to near Manokotak Heights Subdivision. This alternative would relocate the airport southeast of the Manokotak Heights Subdivision. The airport would be between the existing subdivision and the prominent ridge to the southeast.
- Alternative R3 – Relocate the Airport South of R1A. Alternative R3 would relocate the airport approximately 2 miles south of Alternative R1A and south of the prominent ridge. This alternative would require an approximately 3-mile access road from the Weary River Access Road.

During a formal wetlands delineation conducted from August 31 to September 6, 2003, data were opportunistically collected to address the issue of potential wildlife hazards associated with the existing runway and proposed new runway alternatives. A summary of observations of large-bodied birds and information obtained from the Togiak National Wildlife Refuge about wildlife in the Manokotak area is presented in this report.

MACTEC Engineering and Consulting, Inc.  
601 East 57th Place • Anchorage, AK 99518  
907-563-8102 • Fax: 907-581-4574  
Home Page: [www.mactec.com](http://www.mactec.com)

January 16, 2003

55343

Mr. Corey Rossi  
USDA, WILDLIFE SERVICES  
Page 2

**BACKGROUND**

**Site Location and Conditions**

The survey area is near the City of Manokotak, Alaska. Manokotak is a Yup'ik Eskimo community in the Bristol Bay area, approximately 25 miles southwest of Dillingham and approximately 350 miles southwest of Anchorage (Figure 1). Manokotak is on the Igushik River and sits between the east bank of the river and a lone hill that rises to an elevation of approximately 850 feet. It lies at approximately 58.98139° north latitude and -159.05833° west longitude (Section 12, Township 14 South, Range 59 West, Seward Meridian).

The vegetation types surrounding Manokotak are a mixture of moist tundra and upland mixed woodland forest. The upland mixed forest areas occur on well-drained soils with dominant trees consisting of white spruce (*Picea glauca*), paper birch (*Betula papyrifera*), quaking aspen (*Populus tremuloides*), and cottonwood (*Populus balsamifera*). Willows, including Bebb's willow (*Salix bebbiana*) and diamond-leaf willow (*Salix planifolia*), are common shrubs. Common vegetation found in the moist tundra areas includes mosses, lichens, grasses, sedges (*Carex* spp.), willows (*Salix* spp.), dwarf birch (*Betula nana*), Labrador-tea (*Ledum palustre*), crowberry (*Empetrum nigrum*), bog blueberry (*Vaccinium uliginosum*), and numerous other shrubs and herbs.

**METHODS**

Observations of diurnal movements of large-bodied birds were noted opportunistically during the wetlands delineation conducted from August 31 to September 6, 2003. Data were collected to objectively address the issue of potential wildlife hazards associated with the existing runway and alternatives.

Observations of all birds (by sight or sound) were noted and an effort was made to identify any discernable flight patterns of large-bodied birds in the project area that could pose a hazard to air traffic. Observations were taken at the landfill, sewage lagoons, current airport, and along proposed runway, apron, and access road alternatives while conducting the wetland delineation – generally during the time period from 0730 to 1800. Additional observation time was spent at the existing airport from 1700 to 1900 on September 1, 2003, for the specific purpose of recording bird movements.

**RESULTS AND DISCUSSION**

**Wildlife Hazard Observations**

Figure 2 includes the locations where bird observations were made: existing airport, proposed airport alternatives and access roads, existing and proposed material sources, landfill, and sewage lagoons. Particular attention was paid to the presence and movements of large-bodied birds such as gulls, ravens, and waterfowl, because these groups present the greatest potential hazard to airport traffic.

From our review of topographic maps and aerial photography, we have calculated distances from the existing and proposed runway sites to existing and proposed landfill sites and other wildlife attractant

January 16, 2003  
55343

Mr. Corey Rossi  
USDA, WILDLIFE SERVICES  
Page 3

sites such as rivers and sewage lagoons. The southwest end of the existing runway is 1,100 feet from the Igushik River. The existing landfill is situated to the south, approximately 4,000 feet from the runway. Both sewage lagoons are at least 3,000 feet southeast of the existing runway. The alternative runway locations being considered lie between 2 and 3 miles west and southwest of the Weary River, more than 4 miles east of the landfill and no closer than 3,000 feet east of the lagoons.

Other wildlife considerations in the area include several prominent hills that may provide nesting and roosting areas for common ravens, and numerous tributary streams, wetlands, and ponds that may provide habitat for migratory waterbirds.

Large-bodied birds heard and observed in the vicinity of the existing airport included common ravens (*Corvus corax*), black-billed magpies (*Pica pica*), sandhill cranes (*Grus canadensis*), northern harriers (*Circus cyaneus*), and a sharp-shinned hawk (*Accipiter striatus*). Large-bodied birds observed around the Manokotak sewage lagoon and landfill included common ravens, black-billed magpies, and a green-winged teal (*Anas crecca*). The existing runway is for the most part bordered by a large wetland complex that extends to the Igushik River. Numerous gulls were also observed along the Igushik River and in the large wetland south of the landfill, but no gulls were observed at the existing airport. Few birds were observed at the sewage lagoon south of the Manokotak Heights subdivision, and a black-billed magpie was the only large-bodied bird observed in the area. The wetland area to the south of Alternative R3 is a large wetland complex that extends to the coast. Large-bodied birds observed near the R1A and R3 airport alternatives included sandhill cranes, common ravens, and several unidentified ducks. Sightings of large-bodied birds were generally limited to a few individuals, and no obvious flight paths were observed. Small-bodied birds, including sparrows, chickadees, and gray jays (*Perisoreus canadensis*), were commonly observed throughout the project area.

In general, no great numbers of large-bodied birds were observed during the site visit and no discernable flight paths were identified near the existing airport or proposed airport alignment alternatives.

#### Togiak National Wildlife Refuge

Because Manokotak is adjacent to the Togiak National Wildlife Refuge, MACTEC personnel contacted the refuge to request information on wildlife species likely to be found in the project area, specifically known eagle nests, caribou migration corridors, and moose data. The following paragraphs summarize the information provided by the refuge. The telephone conversation summary is attached.

Wetland and upland habitats in the Manokotak area support moose, brown and occasionally black bear, coyote, wolf, red fox, snowshoe and arctic hare, beaver, otter, mink, muskrat, porcupine, and various small mammals such as red-backed voles and shrews. A small caribou herd (Nushagak Peninsula Caribou Herd) concentrates south of Manokotak and south of the Igushik River. The Nushagak herd is known as a non-migratory caribou herd. An occasional band of individuals of the Mulchana Caribou Herd have been known to move through the Manokotak and Dillingham area within several miles of the project area. No caribou calving, migration, or general use by caribou would be affected by the proposed project. Some moose may

January 16, 2003

55343  
Mr. Corey Rossi  
USDA, WILDLIFE SERVICES  
Page 4

travel through the project area but do not tend to concentrate in the area. Winter moose concentration areas are found between Manokotak and Dillingham (east of the Snake River) and farther up the Weary and Igushik rivers (upstream of Manokotak).

Resident bird species in the project area include the black-capped chickadee (*Parus atricapillus*), red-breasted nuthatch (*Sitta canadensis*), common raven, black-billed magpie, gray jay, spruce grouse (*Falco pennsylvanicus*), and willow ptarmigan (*Lagopus lagopus*). More than 100 species of seasonal migratory birds likely pass through the area to more northern breeding grounds. Migratory bird species that are likely to nest in the project area include warblers, sparrows, thrushes, and common redpolls (*Carduelis flammea*). Refuge personnel regularly fly over Manokotak during the course of refuge surveys and opportunistically record eagle nest locations. Refuge personnel are not aware of any eagle nests in the project area. The nearest known eagle nest locations are more than 5 miles away from the proposed airport alternatives.


Thank you for the opportunity to provide service. Please call me at 907-563-8102 if you have questions.

Yours very truly,

MACTEC Engineering and Consulting



Brandon M. Miner  
Project Environmental Scientist

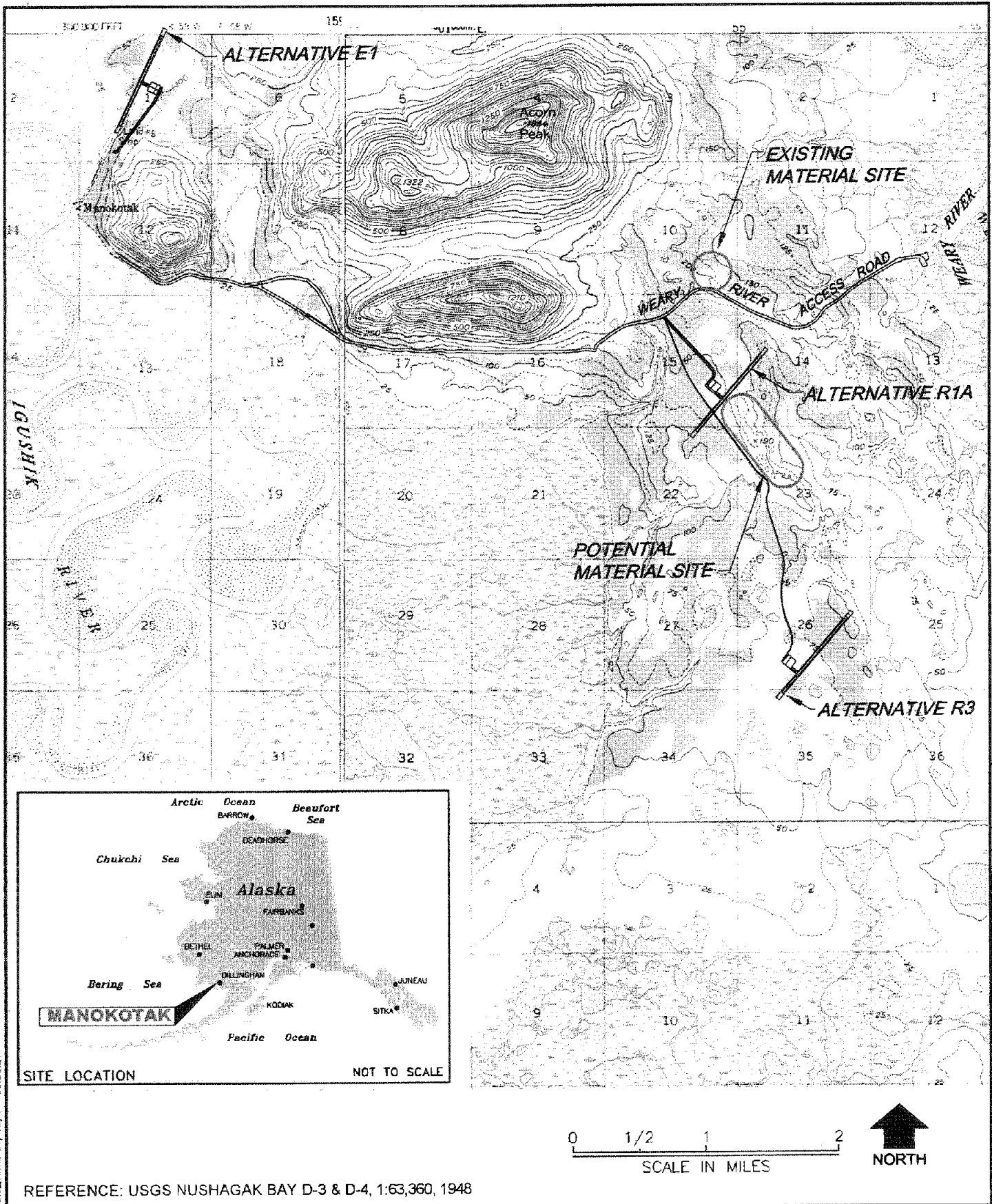


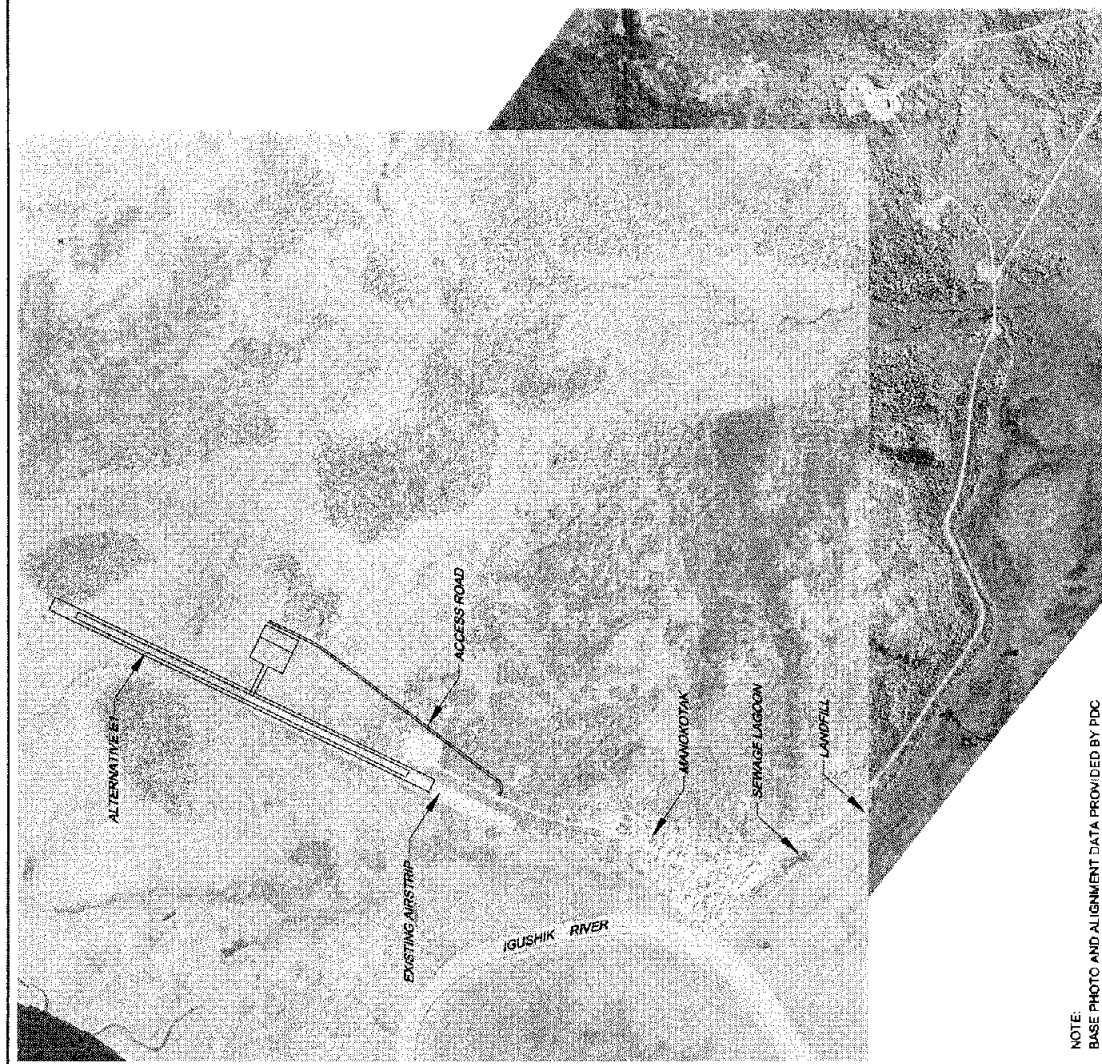
Donna G. Robertson  
Senior Environmental Scientist

QC/TE/jm/A0161G

Attachments: Figures  
Telephone Conversation Record

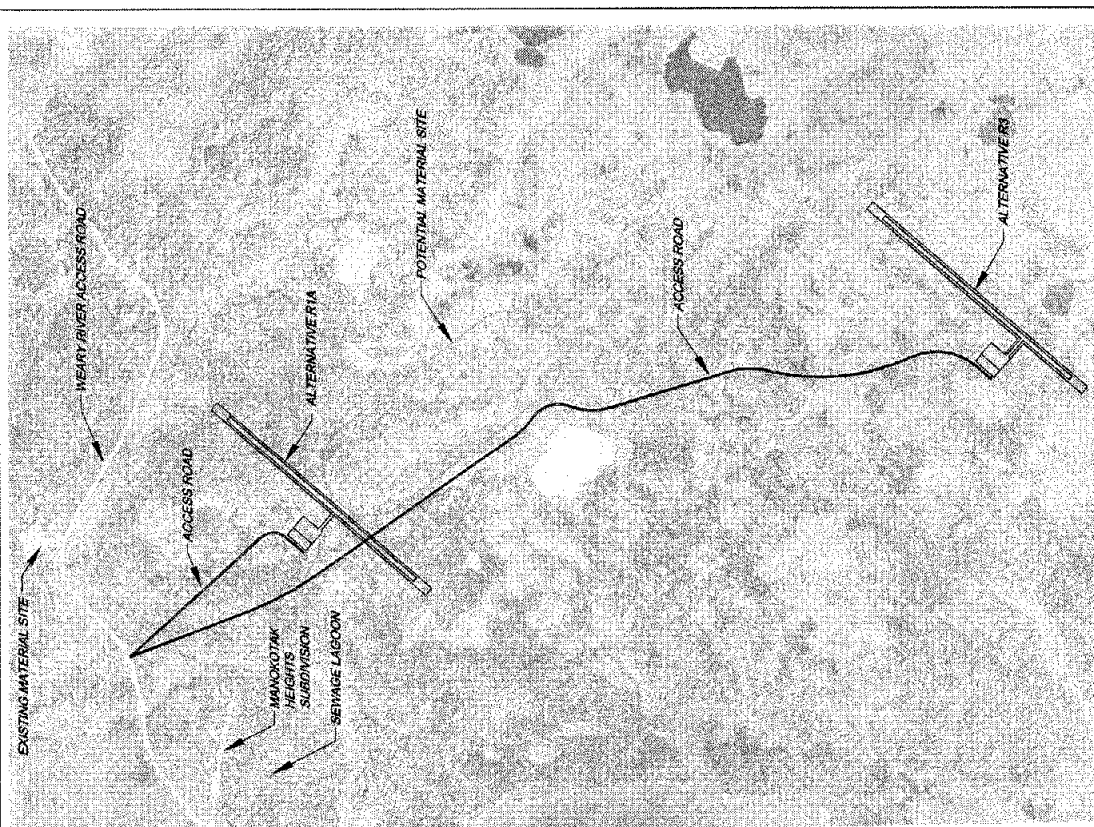
cc: Bill Wilmoth  
P.O. Box 21255  
Juneau, AK 99802





NOTE:  
BASE PHOTO AND ALIGNMENT DATA PROVIDED BY PDC

SCALE: 1" = 135'



SCALE: 1" = 200'

**MACTEC**  
Engineering and Consulting, Inc.

**Existing Airport, Alternatives E1,  
R1A, and R3**

Manokotak Airport Improvements  
Wildlife Hazard Observations  
Manokotak, Alaska

|       |                |             |        |
|-------|----------------|-------------|--------|
| DRAWN | PROJECT NUMBER | APPROVED    | DATE   |
| JF    | 55343          | [Signature] | 1/2004 |

FIGURE

**2**

**Royce Conlon**

From: Robertson, Donna [DGRROBERTSON@madec.com]  
Sent: Monday, October 27, 2003 1:21 PM  
To: Royce Conlon  
Cc: Forland, Sasha; Mober, Brandon  
Subject: FW: Manokotak airport

Royce,  
I just received the following email from Frances Mann, USFWS. I believe we captured most of these comments in the scoping information we just sent you, but this information is a bit more specific and should be included in the scoping report.

Please let me know if you have any questions,  
Donna

Donna Robertson  
dgrrobertson@madec.com  
907-563-8102

-----Original Message-----  
From: Frances Mann@fws.gov [mailto:Frances.Mann@fws.gov]  
Sent: Monday, October 27, 2003 11:41 AM  
To: Robertson, Donna  
Subject: Manokotak airport

Donna - I keep trying to get this e-mail message to you and Mary - but it keeps coming back (this is the 3rd time). It hasn't made it to either of you....I've tried various versions of your e-mail address. SO...I have finally selected, copied and pasted the letter that keeps coming back to me, and am replying to directly to the message you sent me in the hopes that this e-mail makes it.

Hi Donna and Mary -

I have been out of the office for extended lengths of time while working on another project. I attempted to e-mail you both the comments below, but it got returned to me in my absence.

I am back in the office now, and hopefully returning to my "normal" types of work. So I am sending this again. I have a couple of comments relating to the field visit and the plants/soil hydrology that I saw.

fzan

----- Forwarded by Frances Mann/R7/FWS/DOI on 10/27/2003 08:56 AM -----

Frances Mann

To:

1

**MACTEC ENGINEERING AND CONSULTING  
TELEPHONE CONVERSATION RECORD**

File: Three Airports -- Manokotak      Job No: 55343      Date: 10-16-03  
Person (called, calling): Andy Aderman      Time: 10:30 am  
Representing: Togiak National Wildlife Refuge      City: Dillingham  
Subject: Wildlife Information for Manokotak area      Tel. No.: 907-842-1063

**Items Discussed:**

Contacted Andy Aderman for moose and caribou data and information on other wildlife in the Manokotak area. Asked Andy specifically about eagle nests, caribou migration corridors, moose data, and general wildlife lists for the area. The following paragraphs summarize the information provided by Andy.

Andy is not aware of any eagle nests in the immediate project area. They regularly fly over the area during the course of refuge surveys and will opportunistically record eagle nest locations and recheck the nests during the season. The nearest eagle nests are over 5 miles away from either airport site.

Resident bird species in the area include chickadees, red-breasted nuthatches, common ravens, black-billed magpies, gray jays, spruce grouse, and willow ptarmigans. Over 100 species of seasonal migrants are likely to pass through the area on their way to more northern breeding grounds. Warblers and sparrows nest in the area.

There is a concern that the project would result in a loss of breeding habitat near Manokotak Heights but this would be minimal.

Andy forwarded me a refuge bird list and bird lists from a survey of Alaska Army National Guard training areas.

Moose travel through the project area but no major concentrations of moose are known to occur in the project area. Winter moose concentration areas occur between Manokotak and Dillingham (east of Snake River) and further up Weary River and up Igushik River (upstream of Manokotak). Winter concentrations are thought to be related to snow depth. Project would not affect moose in these concentration areas.

No caribou herds are known to occur in the direct vicinity of the project area. A small caribou herd (Nushagak Peninsula Herd) concentrates south of Manokotak and south of the Igushik and Tuklon rivers. The Nushagak herd is considered a non-migratory herd; however, some individuals of this herd move between Igushik and Snake rivers (south and southeast of Manokotak Heights). An occasional band of individuals from the Mulchana Caribou Herd move through the area between Manokotak and Dillingham, within several miles of the project area. In Andy's opinion, no caribou calving, migration, or general habitat use would be affected by the project.

Other wildlife likely to occur in the Manokotak area include brown and occasionally black bear, red fox, coyote, wolves, beaver, otter, mink, muskrats, porcupine, snowshoe and arctic hare, and various small mammals such as shrews and red-backed voles.

Other items discussed:

The refuge manager, Aaron Archibueque is no longer with the Togiak refuge. The assistant refuge manager is Carl Lundersadt. This will need to be updated on the project mailing list. Andy would also like to be added to the project mailing list.

Signature: Sasha Forland

Mary.F.Leykom@paa02.usace.army.mil; DGERBERTSON@nactec.com

10/15/2003 09:43

cc:

PM Subject: Manokotak

airport

Donna and Mary - I have included the four standard stipulations we'd like to see on this project - and actually, on all projects. Donna - as discussed with you and Royce, we like to see these actually on the Corps permit so that they are not buried on page 49 of the contract, where no one sees them (or pretends not to see them which could be the case as per info from Royce). However, because the Airport MOA indicates we will respond with a "no objection" or "no action" this is problematic. Either ADOT can ask that they be included as special conditions, or as Royce suggests, an alternative solution would be to bring them forward in the contract document somehow. Either way could work - we just want to get them noticed and followed.

1. To prevent impacts to nesting birds, no vegetation clearing, fill placement, excavation, or other construction activities shall be conducted between April 15 and July 15, except at sites which have been sufficiently disturbed or altered (e.g., with fill, plastic, or other materials that will cover nesting habitat) by April 15 to eliminate suitable nesting habitat.
2. Prior to construction, construction limits shall be clearly delineated in the field with survey markers, and markers shall remain in place until construction is complete. Use of construction vehicles shall be limited to the area within the staked construction limits.
3. Sediment prevention and water quality control measures (silt fences) shall be placed and maintained along the toe of all fill areas adjacent to waters of the United States, including wetlands, to effectively isolate wetlands and waters from the construction area to prevent the introduction of sediments. These devices shall remain in place until fill and other exposed earthwork attributable to the project are stabilized and revegetated.
4. To protect adjacent habitat, all cuts, fills, slopes and other exposed earthwork attributable to the project shall be stabilized to prevent erosion which may occur both during and after construction. Following construction, exposed slopes shall be revegetated using vegetation native to the local area.

And also Donna - I reviewed my notes from the field visit (which I did not bring to the meeting due to my rush - and by the way, your e-mail was very clear and I still don't know how I missed the meeting date, but...anyway!). My notes indicate that I stopped

2

and sites, examined (dug through the living organic mat) 4 tundra veg the alder site, and the fireweed site. A plant species that I recorded as a dominant plant at all 4 tundra sites was *Rubus chamaemorus* (FACW). From the data sheets I looked at, it doesn't look as though Brandon saw it at any of his sites (or he may not have considered it among the dominants). Also if you recall Donna, at 2 of the 4 tundra sites I observed saturated soils (remember some of those the samples I showed you? visibly saturated - although these of course were not real soil pits). At the other sites, I recorded them as damp, and at the fireweed site - not damp nor saturated. It is just a bit more info to support a conclusion that the site is very patchy with many microclimates. I'm still comfortable with the 1/3 and 2/3 decision, which incorporates to the best of our ability what I saw and what Brandon saw.

I'll be out of pocket for several more days, so if you have any questions or comments, voice mail is the best way to ensure a return (the e-mails just pile up and can be missed...). Thanks, Fran 271-3053

3



# Memorandum



Memorandum  
October 15, 2003  
Page 2

**Date:** October 15, 2003 **File:** MACTEC Project No. 55343  
**From:** Donna Robertson  
**To:** Royce Conlon, PDC Consulting Engineers  
**CC:** See distribution list  
**Subject:** Minutes of October 14, 2003 Manokotak Airport Wetlands Meeting  
Manokotak Airport Environmental Services

A meeting was held on October 14, 2003 at MACTEC Engineering and Consulting's Anchorage office to discuss wetlands issues associated with the Manokotak Airport environmental process. The following individuals attended all or parts of the meeting:

|                 |                               |
|-----------------|-------------------------------|
| Don Baxter      | DOT&PF                        |
| Laurie Kozisek  | DOT&PF                        |
| Dan Golden      | DOT&PF                        |
| Royce Conlon    | PDC (by phone from Fairbanks) |
| Shawna Laderach | PDC (by phone from Fairbanks) |
| Frances Mann    | USFWS                         |
| Donna Robertson | MACTEC                        |
| Brandon Miner   | MACTEC                        |

(Mary Leykom, USACE Regulatory Branch, was unable to attend the meeting)

Minutes of the meeting are as follows:

1. Wetlands Delineation on the "ridge". The primary focus of the meeting was to discuss the wetlands status of the ridge adjacent to airport relocation alternatives R1 and R3. This ridge is a possible material source for access road and airstrip construction. The meeting was initiated to evaluate data collected during the wetlands survey for the project after a field reconnaissance to the project area on September 11, 2003 indicated that vegetation on the ridge was dominated by plants commonly found in wetlands and surface soils were high in organic content and quite moist.

Data sheets from sites sampled along the ridge and at the toe of the ridge were evaluated during the meeting. The sample site at the toe of the ridge was dominated by plants associated with upland sites, did not have hydric soils, and had no indicators of hydrology. Two sample sites on the ridge were dominated by plants associated with wetlands and had soils commonly associated with wetlands. There were no indicators of hydrology at the sites during the wetlands survey, but it was agreed during the meeting that these sites likely had hydrology earlier in the

601 East 57th Place, Anchorage, AK 99518  
(907) 563-8102 Fax (907) 561-4574

season. The third sample site on the ridge was dominated by wetland plants but mineral soils associated with the site were not indicative of a hydric soil.

Frances Mann noted that she has seen this type of environment quite frequently in the Fairbanks area. Her belief is that the soil particles are so fine that they trap moisture near the surface and drainage is very slow, leading to wetlands on the tops of ridges. The group discussed the variable nature of the vegetation (some sites clearly dominated by non-wetland plants such as fireweed) and soils (some sites with gravel and cobbles near the surface, other sites with a deep organic layer and fine loamy soils) and agreed that the ridge is most likely a mosaic of wetlands and uplands.

Based on the review of the data sheets and discussion, the group agreed that area bounded by alder shrubs and higher on the ridge will be delineated as a wetland mosaic with 2/3 of the area wetland and 1/3 upland.

DOT&PF expressed concern that designating the area as wetland may preclude the use of the ridge as a material source because of the Memorandum of Agreement (MOA) with DOT&PF, USACE, and USFWS regarding wetlands. Frances Mann stated that the intent of the MOA was not to preclude development in wetlands but to seek ways to avoid and minimize impacts to wetlands where possible and mitigate impacts (\$500 per acre) when avoidance is not possible. She felt that if R1 or R3 was selected and the ridge was found to be the best source of material for the project, there would not be a problem permitting the site, but that the permit would likely specify reclamation of the site after gravel extraction was complete.

2. Wetlands and Uplands at Other Sites. The group also discussed wetlands and uplands at the existing gravel site on the road to the Weary River, the alternative to extend the runway at its existing location, and alternative R3.

There are wetlands on the east side of the existing gravel site, where vegetation, soils, and hydrology were similar to the ridge. Don Baxter indicated they could likely extract gravel from the other side of the gravel site to avoid those wetlands.

At the existing runway, the group discussed the possibility of moving the apron to an upland site, either the upland island at the north end of the runway or near the existing apron by cutting farther into the hill. Royce Conlon noted that she would further evaluate each of these for the EA.

Alternative R3 is located completely within uplands. There are several small open meadows along the runway and at the apron site that appear on the aerial photograph that are dominated by fireweed and other vegetation associated with uplands.

3. Further Comments from USFWS. Frances Mann noted that from the standpoint of the USFWS the uplands and wetlands in the project area provide good wildlife habitat and she would encourage minimizing impacts to both uplands and wetlands where possible. She encouraged DOT&PF to make sure the limits of the project and all permit conditions are well understood by the construction contractor to ensure that areas outside the project are not impacted during construction and that all permit conditions are met during construction. She also reminded the group that the project area (uplands and wetlands) provides habitat for nesting migratory birds

and that the project area should be cleared before the nesting season begins to minimize impacts to these species.

Frances Mann was happy to see that possible material sites are going to be included in the environmental document for this project. She requested that this become standard for environmental documents because it allows resource agencies the opportunity to understand the whole project. Royce Conlon pointed out that most often it is left to the contractor to find and permit the best sources of materials for construction projects.

Distribution List:

Don Baxter, DOT&PF  
Laurie Kozisek, DOT&PF  
Dan Golden, DOT&PF  
Shawna Laderach, PDC  
Frances Mann, USFWS  
Mary Leykom, USACE  
Brandon Miner, MACTEC  
Sasha Forland, MACTEC



DEPARTMENT OF THE ARMY  
U.S. ARMY ENGINEER DISTRICT, ALASKA  
P.O. BOX 6898  
ELMENDORF AFB, ALASKA 99506-6898

REPLY TO  
ATTENTION OF:

Regulatory Branch  
North Section  
4-2003-0970

OCTOBER 9 2003

RECEIVED

OCT 22 2003

Central Region Design Section

Mr. Dan Golden  
Environmental Analyst  
Alaska Department of Transportation  
and Public Facilities  
P.O. Box 196900  
Anchorage, AK 99519-6900

Dear Mr. Golden: **Don!**

This letter is in response to your August 21, 2003, request for comments relating to the Manokotak Airport Runway Resurfacing and Extension Project.

An agency field trip and public meeting with Manokotak residents took place on September 11, 2003. At that time, three main alternatives were presented which would meet the project goals: upgrade the existing airport, or, construct a new runway and ancillary infrastructure at one of two sites several miles distant from the village.

Following are some general comments regarding the document and issues related to project permitting:

- A Department of the Army (DA) permit for fill placement in wetland would be required for any of the three alternatives now being considered.
- No navigable waters under Corps' jurisdiction are located in the project area.
- Many recently completed rural Alaska airport projects have required permit modifications to include the addition of runway and indicator lights, precision approach path indicators, automated weather observation systems, and snow removal equipment buildings. These upgrades, if foreseeable, should be included in the DA application.
- Separation distances from proposed solid waste landfill and sewage treatment lagoons should be evaluated when considering the two new airport location scenarios.
- Consider whether upgrades to existing villages facilities (roads, the barge landing site) may be necessary to accommodate airport construction and include these projects in the DA application if they become part of the action.

-2-

- Some types of mechanized clearing in wetlands requires DA authorization so the methods used to clear areas where no other fill placement is planned, should be identified. This might also include the new trail realignment around the proposed runway if clearing is necessary.

We appreciate your efforts to involve the Corps of Engineers' early in the project development process. If you have any questions, please contact me by mail at the above address, ATTN: CEPA-CO-R-N, by e-mail at [marv.f.levykom@pca02.usace.army.mil](mailto:marv.f.levykom@pca02.usace.army.mil), or by FAX at 753-5567.

Sincerely,

*Mary Leykora*

Mary Leykora  
Regulatory Specialist

|                               |         |       |
|-------------------------------|---------|-------|
| SEARCHED                      | INDEXED | FILED |
| SERIALIZED                    | FILED   | FILED |
| OCT 22 2003                   |         |       |
| CENTRAL REGION DESIGN SECTION |         |       |



UNITED STATES DEPARTMENT OF COMMERCE  
National Oceanic and Atmospheric Administration

National Marine Fisheries Service  
P.O. Box 21666  
Juneau, Alaska 99802-1666

**RECEIVED**

September 24, 2003

OCT 7 2003

**Central Region Design Section**

Jerry Ruehle

Environmental Coordinator  
Department of Transportation and Public Facilities  
4111 Aviation Ave.  
P.O. Box 196900

RE: Manokotak Airport Runway  
Project Number 55313

Anchorage, Alaska 99519-6900

Dear Mr. Ruehle:

Thank you for your letter requesting comments on resources of our concern regarding the proposed upgrades and improvements to the Manokotak Airport. The National Marine Fisheries Service (NMFS) has reviewed the preliminary information you submitted in your request. The existing airport facilities do not meet the standards required for several types of aircraft currently operating in Manokotak. The proposed project would provide Manokotak with an improved airport facility. We offer the following comments specific to the Endangered Species Act (ESA) and the Essential Fish Habitat (EFH) provisions of the Magnuson-Stevens Fishery Conservation and Management Act (Magnuson-Stevens Act).

Endangered Species Act

Section 7(e)(2) of the ESA directs interagency cooperation "to insure that any action authorized, funded, or carried out by such agency is not likely to jeopardize the continued existence of any endangered species or threatened species" or result in the destruction or adverse modification of critical habitat. NMFS Alaska Region is responsible for the administration of the ESA as it applies to certain cetaceans, pinnipeds, and marine fish. These include several species of whales, Pacific salmon, and Steller sea lions.

The information you provided indicates that work would occur inland. Due to the inland location of your project, endangered marine mammals will not occur in the vicinity of the project site, and critical habitat for the above listed species would not be affected.

Essential Fish Habitat

The trigger for EFH consultation is a federal action agency's determination that an action may adversely affect EFH. If a Federal action agency determines that an action will not adversely affect EFH, no consultation is required, and the federal action agency is not required to contact NMFS about its determination. A "no effect on EFH" letter is not required or addressed by either the Magnuson-Stevens Act or the EFH regulations.



In your preliminary information, the Alaska Department of Transportation and Public Facilities (ADOT&PF) has determined that the Manokotak Airport runway Resurfacing and Extension project will not adversely affect EFH. Based on the information in your letter, NMFS concurs with your determination. Therefore, additional EFH consultation is not necessary.

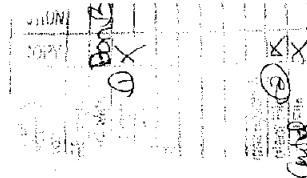
We hope this information is useful in fulfilling your requirements under section 7 of the ESA and EFH requirements under the Magnuson-Stevens Act. For this project, please direct any questions regarding ESA to Mr. Brad Smith at (907) 271-3023 and questions regarding EFH to Mr. John Olson at (907) 271-1508.

Sincerely,

*James W. Balliger*  
James W. Balliger  
For Administrator, Alaska Region

NOV 19 2003

SEP 19 2003



**Shawna Laderach**

**From:** Royce Conlon  
**Sent:** Wednesday, September 17, 2003 10:21 AM  
**To:** Stefanie Ludwig  
**Cc:** 'Dan\_Golden (E-mail)'; Don Baxter (E-mail); Shawna Laderach  
**Subject:** RE: Manokotax Airport

Stefanie - thanks for taking a look at this; we'll keep you informed with what we find

-----Original Message-----  
**From:** Stefanie Ludwig [mailto:stefanie\_ludwig@dnr.state.ak.us]  
**Sent:** Tuesday, September 16, 2003 9:26 AM  
**To:** Royce Conlon  
**Subject:** Re: Manokotax Airport

Royce,  
 I looked over your map and other info, and it does appear that there are some high potential areas within the project area (especially any high ground) that warrant an archaeological survey.  
 Stefanie



Royce Conlon wrote:

>Stefanie, We really appreciate your willingness to review this on such short notice, our goal is to be able to secure clearance, but don't want to do a bunch of work that may not be needed. As I mentioned based on prelim. research and discussions with BIA we felt that at a min. a recon. level survey would be required - and because of the schedule (EA this winter) NLU set up their proposal so that if - they discover some sites they would plan to explore them to the level necessary to determine eligibility -- I have put together a few pieces of information to assist in your review of this project --

- >
- >Please let us know ASAP if you feel a field survey is warranted.
- >
- >Attachments include:
- >
- >\* Map with Aerial photo of the area
- >\* Summary of Community Coordination
- >\* Telephone logs from BIA and BBNA
- >\* Summary of research info
- >
- >
- >Map that shows possible airport expansion options and material sites, we believe the Loop road material site was previously cleared, the yellow oblong shaped - is a high ridge Approx 150 above the adjacent low lands - in our field investigation yesterday we actually determined it to be about half again as long extending to the south, and if you agree is needed, will have the archeologist also look over the that area. -- the Alt R1A is in forested area with fairly tall spruce on fairly high ground, but 100' below the ridge.

2/27/2004

- >
- >R3 is not as heavily forested, appears to be mostly scrub-shrub vegetation with intermittent spruce, that terrain is lower elevation than R1A, but on a slight ridge above the surrounding wetlands.
- >
- > <<C03b0PRF02010 E1 R1A R3 A1s (1).pdf>>
- >
- >Community Coordination
- >
- >I didn't mention on the phone earlier, but a letter was sent to the Village council and City of Manokotax specifically asking about historic and archeological concerns - no written comment has been received ---- yesterday in our public meeting we again verbally asked if they know of any historic, pre-historic or cultural concerns with any of the airport projects, or the material sites - a number of the elders were present and we had a Yupik translator - no comments were received.
- >
- >BBNC is the subsurface estate owner; Jack Moores was in attendance at the field trip and public meeting yesterday, as well as the agency scoping meeting on Sept 3rd. BBNC has not voiced any historic or cultural concerns.
- >
- >-- Telephone logs from BIA and BBNA below:
- >
- >Friday, Sept 5, 2003 - 4:15 pm Entry by Royce Conlon
- >
- >After leaving 2nd message with Ralph Andersen, I contacted Alan Backford; Alan indicated that BBNA do not have archeologist on staff. They deal with restricted deeds and Native allotments. If the project would impact these types of lands they could get BIA to do the archeological review. I explained that we had avoided the native allotment with the relocation options, and had not yet identified any such lands to be impacted by the extension alternative. He had received his scoping letter and meeting announcement.
- >
- >I asked if he would be attending the public meeting - he indicated that he would not.
- >
- >Friday, Sept 5, 2003 - 1:30 pm Entry by Royce Conlon
- >
- >Mark Boatwright with BIA, called, he was responding to the fax that was sent. He is interested in getting a copy of the scoping letter and the minutes from the scoping meeting. Also although we have Rose on the list, he would like to be added as he is responsible for enviro issue that might affect BIA facilities such as roads, bridges etc. I briefed him on the project and told him since the scoping letter went out we had advanced the project and eliminated a couple of the options as well as reoriented a couple. I explained the reasons for the elimination, one of which for R2 as the native allotment. He thought we were on the right track.
- >
- >Tuesday, Sept 2, 2003 - 9:15 am Entry by Royce Conlon
- >
- >Contacted BBNA re: Archeological survey - left message with Ralph Andersen; 842-5257; ext 361.
- >
- >Friday, August 29, 2003 - 6:20p Entry by Royce Conlon
- >
- >Paula Sutton, Archeologist for BIA returned call from Shawna - the number she called for Mark Boatright is now her's - Mark is at 586-7438. She indicated that Mark should get a copy of the scoping letter and fax - his fax is 586-7357 or also send to 586-7142 to make sure he gets it.

2/27/2004

Kli: Manokotak Airport

Page 3 of 3

> I told her that I was going to be contacting Ed Tyler, because he completed the Archeological survey for the Weary River road project and was wanting to get his input on the potential for site in the area of the airport relocation routes near the road. Ed is no longer with BIA, Paula is the now the BIA Archeologist. She indicated that they likely only surveyed a narrow route. I told her the report indicated only a 100' ROW, but thought if he looked at the map/aerial photo, based on his experience in the area he could offer an opinion on the potential, so we could determine whether or not a pedestrian survey was warranted. Paula said if a survey had not been previously completed on our specific sites, then she thought one probably should be.

> >  
> Summary of Research info:  
> >

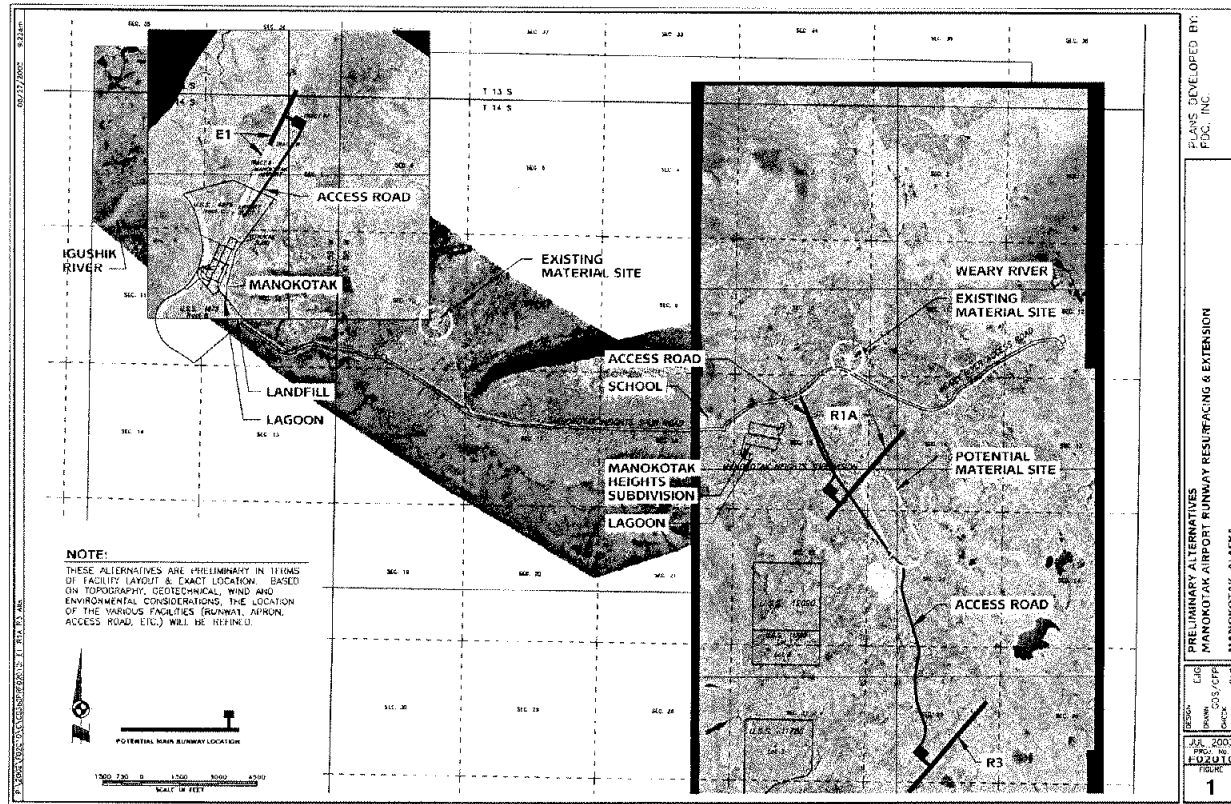
> Our preliminary research indicates that there have been surveys done in Manokotak and they all have come to the no historic properties affected conclusion. The surveys reviewed were:

- > \* Wiersum, Wayne, 1985, Archaeological Ground Survey And Test Excavations At Manokotak In Relation To USPHS Project An-80-227 Sanitation Construction Project.
- > \* Yarbrough, Linda F., 1988, Archeological Survey Of A Proposed Road In Manokotak, Alaska, DOT/PF Project No. G10157. NADB No. 1400893.
- > \* Tyler, Edward, 1995, 1996, 2 BIA Allotment Surveys.
- > \* Tyler, Edward J., 1998, BIA, The Manokotak Road Project Cultural Resource Report Of Investigations, Project # 43(1).

Stefanie Ludwig  
Archaeologist, Review and Compliance

Department of Natural Resources  
Office of History & Archaeology  
550 West 7th Avenue, Suite 1310  
Anchorage, AK 99501-3565

Phone: 907-269-8720  
Fax: 907-269-8908



PLANS DEVELOPED BY:  
PDC, INC.

PRELIMINARY ALTERNATIVES  
MANOKOTAK AIRPORT RUNWAY RESURFACING & EXTENSION  
MANOKOTAK, ALASKA

DATE: JUL 2003  
PROJECT: 102010  
1

2/27/2004

forested areas) for nesting and foraging passerine birds and the value of the ridge as an insect relief area and vantage point for wildlife in the area.

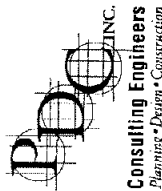
## General Information in Airport Environmental Documents

Frau also discussed her experience that it appears that often contractors who construct projects do not appear to be familiar with stipulations of environmental permits and do not plan for required restoration work and often work outside project limits described in the environmental document and permits, resulting in greater impacts to wetlands and valuable upland habitats than necessary. She wondered out loud how this important up-front environmental work could more clearly be passed on to those constructing projects to make sure projects remain in compliance with permits through construction.

Issues discussed during the field reconnaissance trip included the status of wetlands on the low ridge adjacent to the relocation alternatives R1 and R2 that is being evaluated for use as a material source; availability of information on wildlife use of the area around the existing runway extension, R1, and R2; and information agency personnel would like to see in airport environmental documents.

### Wildlife Use of the Project Area

Andrew DeValpine, BCRSA, noted that caribou have been re-established in the region around Manokotak and provided contact information for the Togiak National Wildlife Refuge biologist tracking herd movements. Donna Robertson had Royce Conlon ask the community about use of the project area by moose, caribou, and other game species during the community meeting at Manokotak. There were no responses from the community regarding wildlife use of these areas. Barry Benko, Alaska Department of Transportation and Public Facilities geologist who was in Manokotak periodically throughout the spring, summer, and fall noted that he had not seen any nesting or flying waterbirds nor had he made any substantial wildlife sightings while in and around Manokotak. Frances Mann and Donna Robertson discussed the value of upland deciduous forests near alternative R1 (and other similarly



Steven M. Tiano, PE  
 Ronald H. Coburn, PE  
 James R. Parisky, PE  
 James J. Lofgren, PE  
 Mark W. Fyfe, PE  
 Gary L. Roe, PE  
 Robert B. Bonard, PE

**Consulting Engineers**  
 Planning • Design • Construction

**Coordination Meeting Report**

**Anchorage Fairbanks**

| Subject  | Agency Scoping Meeting   | Date    | September 3, 2003                                   |
|----------|--|---------|---|
| Re:      | Project Alternatives   | PDC #   | F02010  |
| Location | ADOT & PF Building - Small Main Conference Room<br>Anchorage, Alaska | State # | 55313   |
|          |  | Name    | Manokotak Airport Runway Resurfacing<br>& Extension |

| Subject        | Discussion   |
|----------------|--|
| <b>Purpose</b> | <p>Introduced the agencies to the project for group discussion with the following meeting goals:</p> <ul style="list-style-type: none"> <li>Present alternative development to date and the rationale for eliminated alternatives, in order to get agency buy-in</li> <li>Identify issues and data needed for further evaluation of the remaining alternatives</li> <li>Identify additional refinements to alternatives to avoid or mitigate impacts</li> </ul> <p>Around the table the group introduced themselves.</p> <p>Don Baxter introduced the project and provided background on the existing airport deficiencies as a basis of the purpose and need. Deficiencies noted include:</p> <ul style="list-style-type: none"> <li>Frequent runway closures</li> <li>Terrain limitations</li> <li>Closeness of the community to the airport</li> <li>Does not meet FAA standards</li> </ul> <p>Don also noted that because of the community's size, Manokotak Airport gets a fair amount of activity as compared to other village airports.</p> |

|  |   |
|--|---|
| <b>Facility requirements and current facility deficiencies</b> | <p>Royce proceeded to discuss the facility requirements as shown on the handout provided. She also re-emphasized the existing airport deficiencies and the goal to achieve an airport that met standards for current and future activity. Deficiencies were presented as:</p> <ul style="list-style-type: none"> <li>Short runway</li> <li>Deteriorated runway surface</li> <li>Airspace penetration</li> <li>Inadequate separation distances</li> <li>Frequent closures due to poor drainage, snow drifting and inaccessibility due to fog or inclement weather</li> </ul> |
|--|---|

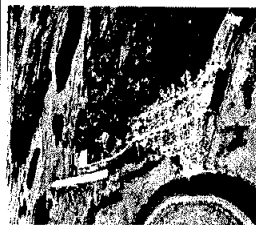
| Subject  | Discussion   |
|--|--|
| <b>Alternative identification and evaluations multi-step process</b> | <p>Next, the alternative development and evaluation process was discussed:</p> <ul style="list-style-type: none"> <li>Pilot, user input, field visit, and review of USGS</li> <li>Mapping - topographic review only</li> <li>Preliminary layouts: Primary considerations in initial development of alternatives were:               <ul style="list-style-type: none"> <li>Topography</li> <li>Wind coverage</li> <li>Airspace</li> <li>Wetlands, based on photo interpretation.</li> </ul> </li> <li>Agency scoping &amp; field studies (WE ARE HERE)<br/>               Environmental and engineering parameters will be reviewed. Based on this initial review, the alternatives will be refined and reasonable alternative carried forward into the EA process.</li> </ul> <p>The highlights were:</p> <p>Since the agency scoping letter was sent, the final wind analysis was completed and photo interpretation of wetland and geotechnical input was considered. This has led to the elimination of some alternatives and refinement of those remaining under consideration.</p> <p>Existing Site Alternative E2 (reorientation of existing runway):</p> <ul style="list-style-type: none"> <li>More wetlands involvement (less reuse of existing facility)</li> <li>More construction over poor ground (higher cost and less stable)</li> <li>Only 3% more wind coverage (from 93% to 96%)</li> </ul> <p>Relocation Alternative R2:</p> <ul style="list-style-type: none"> <li>Only 92% wind coverage</li> <li>Required acquisition of a portion of a Native allotment</li> <li>Reorientation to get greater wind coverage would:               <ul style="list-style-type: none"> <li>Increase wetlands impacts</li> <li>Possibly require more land from Native allotment</li> <li>Not be substantially different from R3</li> </ul> </li> </ul> <p>Relocation Alternative R1:</p> <ul style="list-style-type: none"> <li>Oriented at 6° it was cross wind, with winter winds causing extra M&amp;O due to snow drifting. R1A is in this same general location and could be reoriented to obtain optimal wind coverage.</li> </ul> |

**Eliminated alternatives (presented on graphic board, see attached)**



| Subject   | Discussion   |
|---|--|
| <b>Alternatives being considered (presented on graphic board, see attached)</b> | <p>Royce summarized the advantages and disadvantages of the remaining alternatives under consideration:</p> <p>Existing Site Alternative E1 (extension of existing runway):</p> <ul style="list-style-type: none"> <li>Advantages: <ul style="list-style-type: none"> <li>Proximity to community</li> <li>Reuse of existing facility</li> </ul> </li> <li>Disadvantages: <ul style="list-style-type: none"> <li>Poor soil: more than 12 feet of peat, which would require substantial sub-excavation of surcharge to get any kind of stability. Don interjected that surcharge examples have not been overly successful.</li> <li>All expansion likely to be in wetlands</li> <li>Winds at this site stronger and more variable; only 92% coverage (does not meet FAA standards for single runway)</li> <li>The nearby terrain will continue to limit use during inclement weather</li> <li>Winter winds will continue to cause snow drifting and development of large berms on the sides, causing safety concerns</li> </ul> </li> </ul> <p>Relocation Alternatives R1A &amp; R3:</p> <ul style="list-style-type: none"> <li>Advantages: <ul style="list-style-type: none"> <li>Located away from hills; better approach minimums, i.e., safer operations during a wider range of weather conditions</li> <li>Oriented optimally to winds – 97.83% coverage</li> <li>Smaller wetland impacts (as compared to E1)</li> <li>Better subsurface conditions, resulting in more stable facility and lower construction and M&amp;O costs</li> <li>R3 – No airspace penetrations</li> </ul> </li> <li>Disadvantages: <ul style="list-style-type: none"> <li>Distance from community; involves more travel – likely more waiting – scheduled flights vs. seat fares</li> <li>Additional cost for M&amp;O of access road</li> <li>Area is sometimes foggy – although some pilots indicate that because of the terrain, they can fly under the fog from Dillingham; lower instrument approach capabilities would also improve situation – it is likely that this would outweigh the existing site</li> <li>R1A – Proximity to lagoon too close – although FAA is not so concerned since there are many other water bodies in the area to attract wildlife</li> <li>R3 – Longer access road could possibly mean more wetlands impacts</li> </ul> </li> </ul> |

| Subject  | Discussion  |
|--|---|
| <b>Comments from participants</b>                    | <p>Jack Moores would like to make sure the existing gravel pit does not get used for the new landfill because it still has usable material in it. He indicated that an area off to the side might be okay.</p> <p>Mary Leykom with USACE was interested in the refuge boundary as it related to the alternatives.</p> <p>Ed Weiss with ADNR noted that their Office of Habitat Management and Permitting has no real issues with any of the alternatives since no streams or rivers are involved.</p> <p>There was some additional discussion about the logistics for the upcoming field visit (9/11/03).</p> |
| <b>Project Schedule (presented on graphic board)</b> | <p><b>Pre-design Data Gathering</b> 1/28/02 – 11/06/03</p> <p><b>Environmental Process</b> 7/20/03 – 6/02/04</p> <p>Environmental Scoping 7/20/03 – 9/24/03</p> <p>Agency Field Trip/Public Meeting 9/11/03</p> <p>EA Draft 11/06/03 – 3/10/04</p> <p>Permitting 11/06/03 – 3/24/04</p> <p>Obtain FONSI 6/02/04</p> <p><b>Right-of-Way Process</b> 6/24/04 – 10/06/05</p> <p><b>Design</b> 8/19/04 – 2/25/05</p> <p><b>Bidding</b> 10/06/05 – 11/09/05</p> <p><b>Construction</b> 11/09/05 – 10/15/07</p>   |
| <b>Attendees (see attached sign-in sheet)</b>        | <p>Don Baxter, ADOT&amp;PF, Project Manager</p> <p>Laurie Kozisek, ADOT&amp;PF, Aviation Design</p> <p>Royce Conlon, PDC, Inc., Project Manager</p> <p>Donna Robertson, MACTEC, Environmental Analyst</p> <p>Marie Steele, ADEC - VSW</p> <p>Ed Weiss, ADNR – Office of Habitat Management and Permitting</p> <p>Mary Leykom, USACE</p> <p>Jack Moores, BBNC – Land and Resources</p>   |
| <b>Hand-outs (see attached)</b>                      | <p>Agenda</p> <p>Packet including design criteria, wind data, and airspace drawings.</p>  |



## MANOKOTAK AIRPORT RUNWAY RESURFACING & EXTENSION STATE PROJECT NO. 55313

Agency Scoping Meeting  
September 3, 2003, 10:00 am

**Project purpose:** To provide a safe airport facility to meet current and future needs of the community.

**Meeting purpose:** Introduce the agencies to the project and airport alternatives under consideration.

**Introduction & project background** – Don Baxter

**Facility requirements & current facility deficiencies** – Royce Conlon

**Alternative Identification and Evaluations**

**Multi - Step process**

1. Pilot, user input, field visit, and review of USGS
2. Mapping – topographic review only
3. Preliminary layouts: Primary considerations in initial development of alternatives were:
  - o Topography
  - o Wind coverage
  - o Airspace
  - o Wetlands, based on Photo interpretation.
4. Agency Scoping & Field studies (WE ARE HERE)  
Environmental and Engineering parameters will be reviewed. Based on this initial review the alternatives will be refined and reasonable alternative carried forward into the EA process.

**Alternatives being considered**

Discuss advantages and disadvantages and additional studies being conducted.

E1 – Extension of the existing

R1A – Relocation near Weary River road

R3 – Relocation south of Weary River road

**Upcoming agency field trip/Meeting agenda**

**Project Schedule**

**Agency concerns and discussion**

## MANOKOTAK AIRPORT RUNWAY RESURFACING AND EXTENSION

### Airport Alternatives Design Criteria

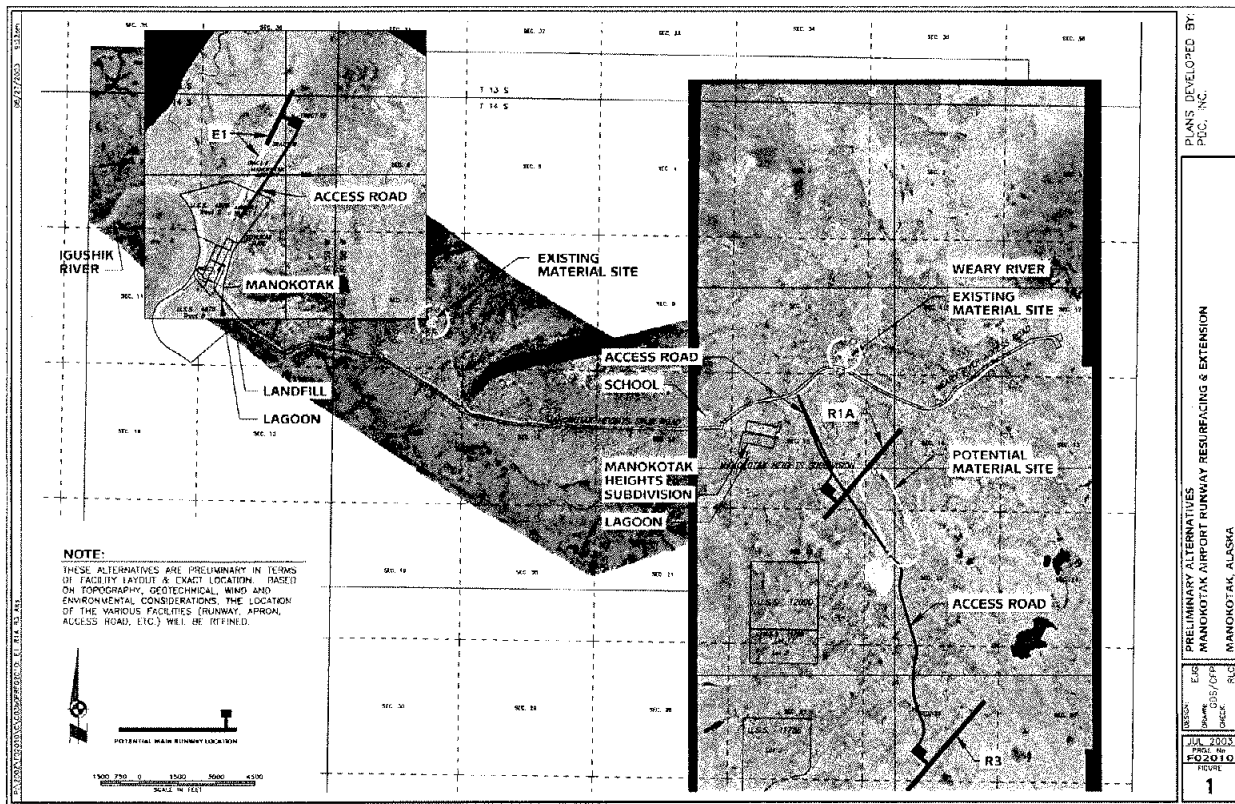
#### Design Criteria

| Airport Feature                             | Standard  | Used for Alternatives Evaluation   |
|---|---|--|
| Design Aircraft                             | Cessna 208 Caravan & Piper PA31 Navajo                        | Same   |
| Airport Reference Code                      | B-II  | Same   |
| Airport Facility Designation                | Community   | Same   |
| Approach Visibility Minimums                | Non-Precision and Not Lower than 1 Mile                       | Non-Precision and Not Lower than 3/4 Mile                                    |
| Runway Length                               | 3,300 feet <sup>1</sup>                                       | 4,000 feet   |
| Runway Width                                | 75 feet   | Same   |
| Runway Safety Area                          | 3,900 feet x 150 feet   | 4,600 feet x 150 feet  |
| Taxiway Width                               | 50 feet <sup>2</sup>  | Same   |
| Taxiway Safety Area                         | 118 feet <sup>2</sup>   | Same   |
| Runway Protection Zone                      | 1,000-foot Length, 500-foot Inner Width, 700-foot Outer Width | 1,700-foot Length, 500-foot Inner Width, 1,010-foot Outer Width <sup>3</sup> |
| Primary Surface                             | 3,300 feet x 500 feet   | 4,000 feet x 500 feet  |
| Horizontal Surface                          | 10,000-foot Radius  | Same   |
| Approach Slope                              | 34:1  | Same   |
| Parking Apron                               | 200 feet x 400 feet   | 250 feet x 400'  |
| Parking Apron Offset from Runway Centerline | 400 feet  | Same   |
| Airport Lighting                            | Runway and Taxiway Lighting, Threshold Lighting               | Same   |
| Navigation Aids                             | Rotating Beacon, REILs, PAPIs, Wind Cone & Segmented Circle   | Same   |

<sup>1</sup>Runway length requirement was chosen to meet the minimum length recommendation of Draft Southwest Alaska Regional Transportation Plan, the Alaska Aviation Coordination Council and 50% of the max takeoff weight for the Navajo Piper.

<sup>2</sup>Taxiway and Taxiway Safety Area widths were increased to the next higher Aircraft Design Group to provide necessary width for aircraft passing and additional area for snow storage.

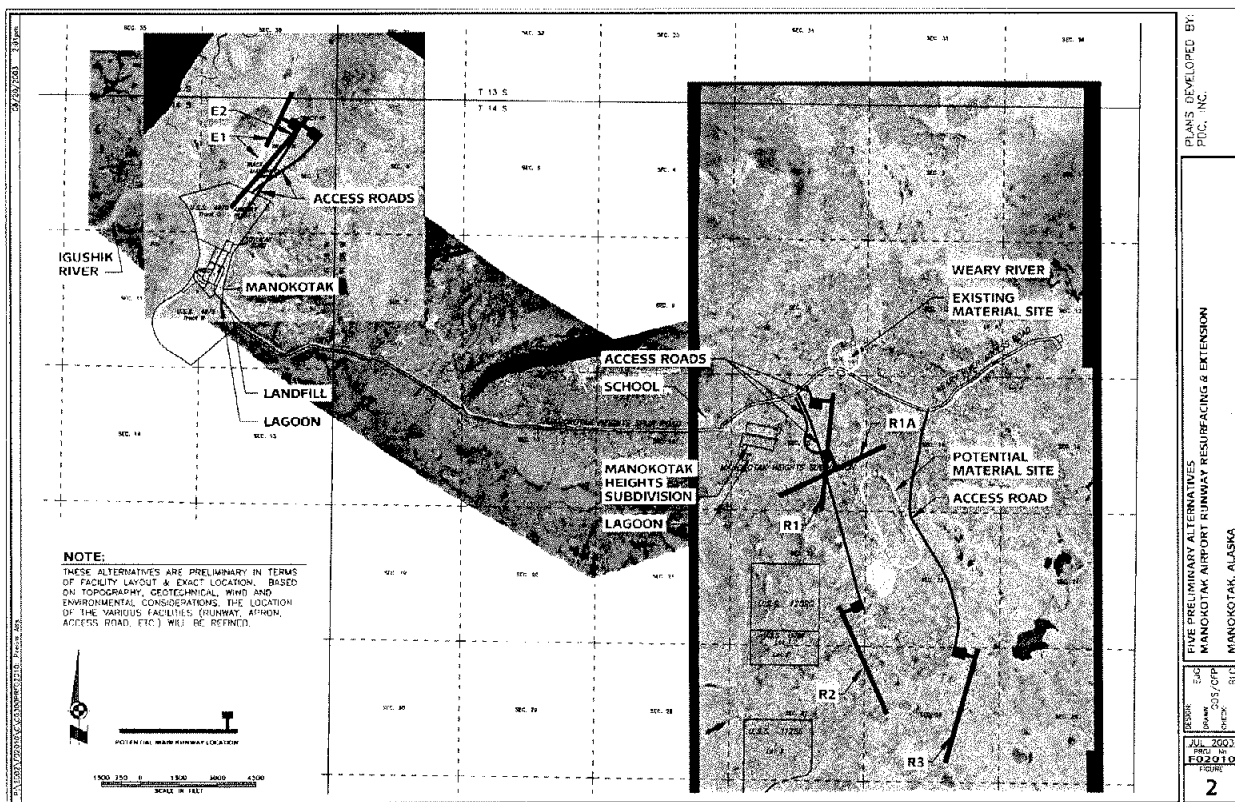
<sup>3</sup>To accommodate lower minimums, FAA is currently looking at the reasonability of this given the surrounding terrain. At the existing airport lower than 11/2 mile not possible.



PLANS DEVELOPED BY:  
PDC, INC.

PRELIMINARY ALTERNATIVES  
MANOKOTAK AIRPORT RUNWAY RESURFACING & EXTENSION  
MANOKOTAK, ALASKA

DESIGN: EAC  
DATE: 12/15/03  
CHECK: JAC  
JUL 2003  
FIGURE 1  
1

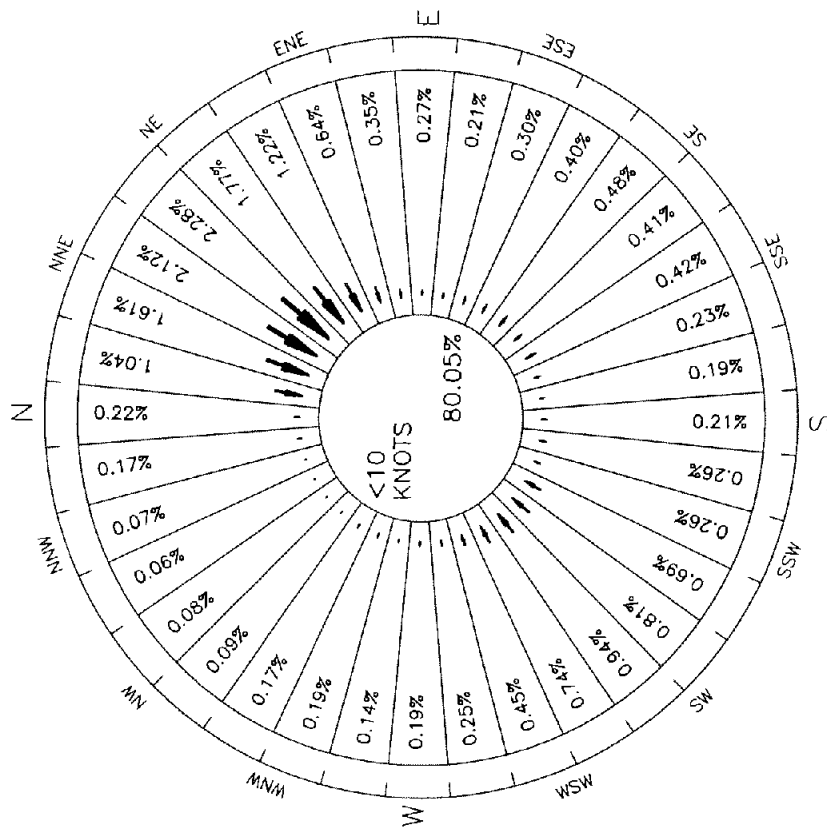


PLANS DEVELOPED BY:  
PDC, INC.

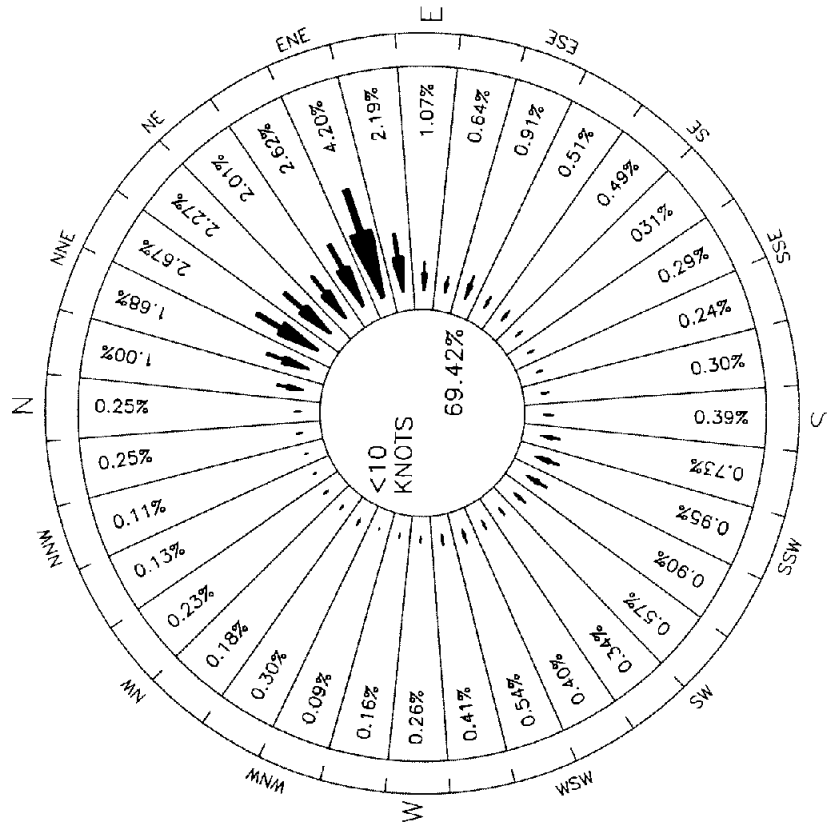
FIVE PRELIMINARY ALTERNATIVES  
MANOKOTAK AIRPORT RUNWAY RESURFACING & EXTENSION  
MANOKOTAK, ALASKA

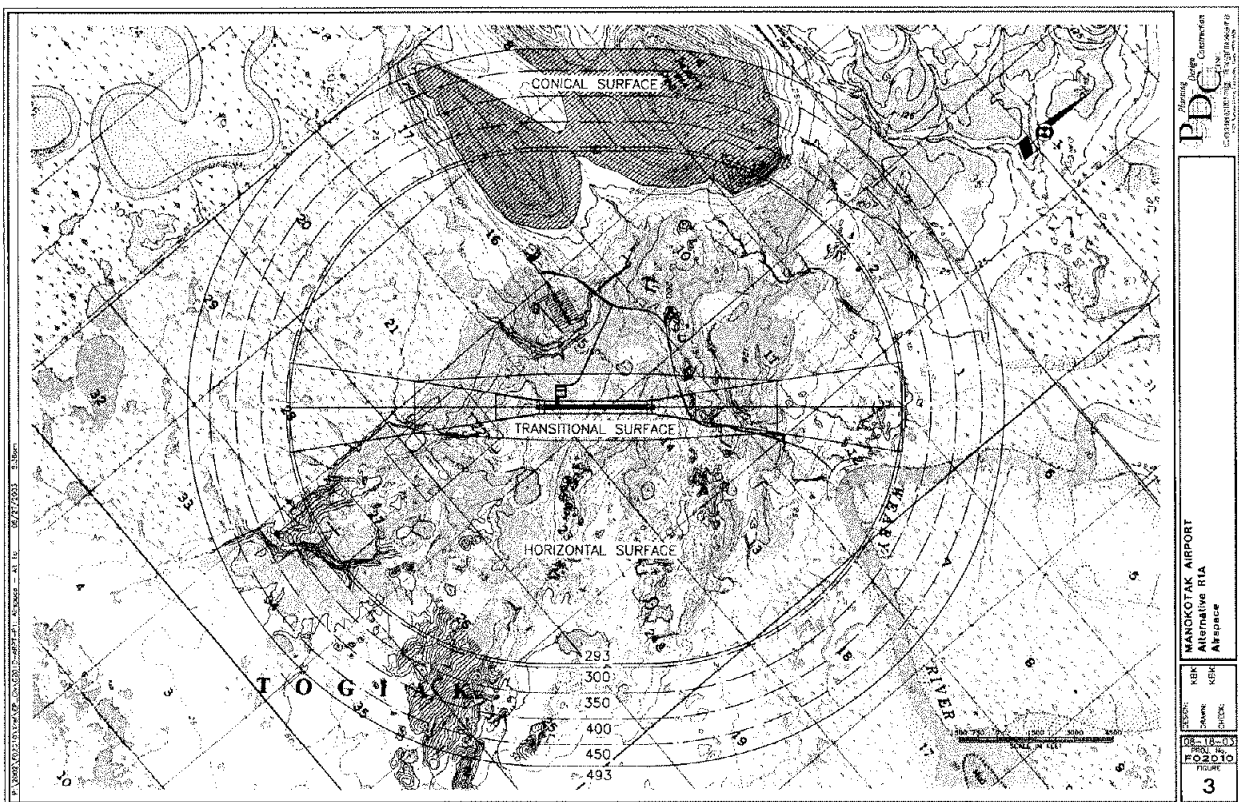
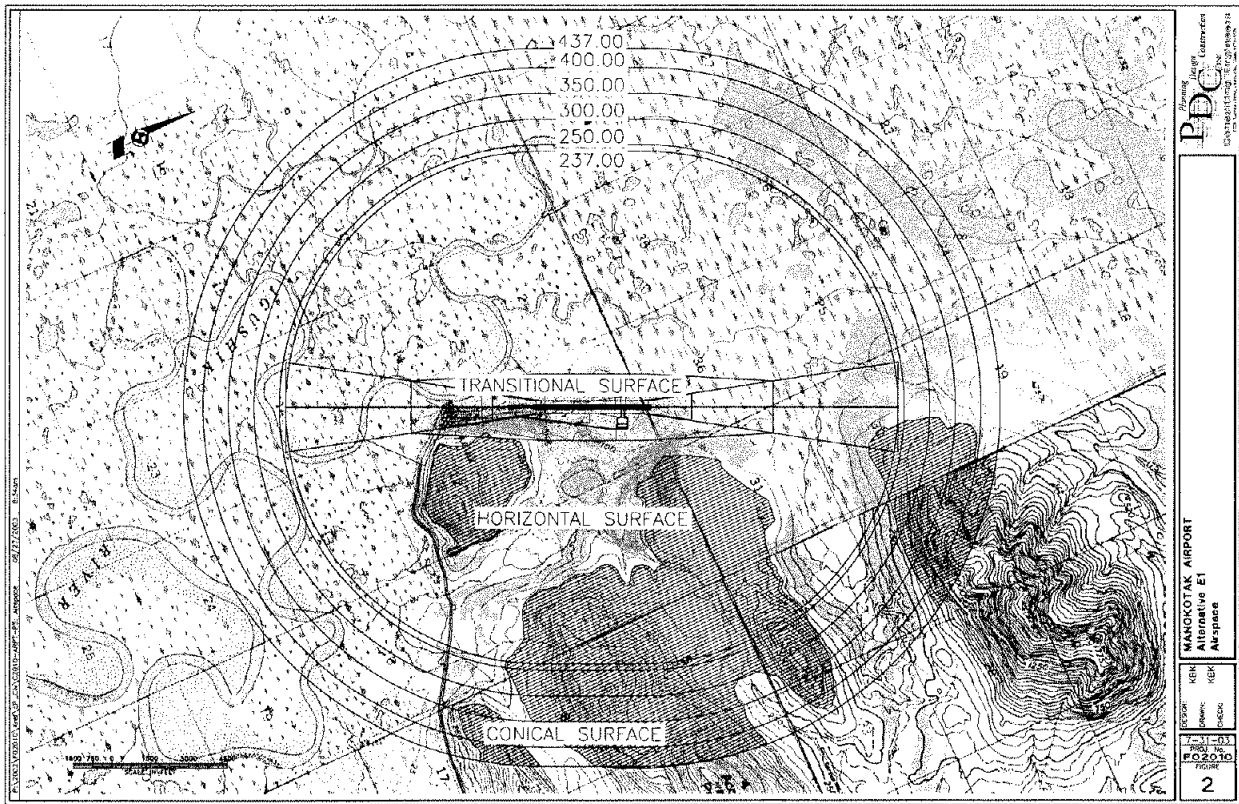
DESIGN: EAC  
DATE: 12/15/03  
CHECK: JAC  
JUL 2003  
FIGURE 2  
2

MANOKOTAK AIRPORT WINDROSE DIAGRAM  
EAST DATA  
BASED ON 10 KNOTS MINIMUM CROSS WINDS.



MANOKOTAK AIRPORT WINDROSE DIAGRAM  
NORTH DATA  
BASED ON 10 KNOTS MINIMUM CROSS WINDS.







Manokotak Contact List for Field Trip Notice

| Contact Method | Agency  | First Name | Last Name | Title                               | Mailing Address                     | City, State, Zip         | Phone                        | Fax            | E-mail   | Ext |
|----------------|---|------------|-----------|-------------------------------------|-------------------------------------|--------------------------|------------------------------|----------------|--|-----|
| E-Mail         | Aircraft Owners & Pilots Association  | Tom        | George    |                                     | P.O. Box 81750                      | Fairbanks, AK 99708-3750 | (907) 455-9000               | (907) 455-9001 | tgearge@alaskaairport.com or<br>toma.george@alaska.org | E   |
|                | Alaska Air Carriers Association   | Karen      | Casanovas | Executive Director                  | 2201 Merrill Field Drive, Suite A-3 | Anchorage, AK 99501      | 277-0071                     | 277-0072       | kara@aalca.org   | E   |
|                | Alaska Airlines Association, Inc.   | Felix      | Maguire   | President                           | P.O. Box 241185                     | Anchorage, AK 99524-1185 | (907) 342-8401               | (907) 245-1259 | felixmaguire@alaska.com                                | E   |
|                | Alaska Aviation Safety Foundation   | Tom        | Wardleigh | President                           | 4340 Peavine Dr.                    | Anchorage, AK 99502      | (907) 243- (907) 243-        | (907) 243-7237 | awf@juno.com   | E   |
|                | Alaska Central Express Inc.   | Steve      | Melchert  | Director of Cargo Service           | 5901 Lockheed Avenue                | Anchorage, AK 99502      | 907-334-5100                 | 907-245-0243   | smelchert@central-express.com                          | E   |
|                | Alaska Department of Environmental Conservation, Division of Stewardship            | Alan       | Wien      | Environmental Specialist            | P.O. Box 871064                     | Wasilla, AK 99687        | 376-5038                     | 376-2382       | alan.wien@dec.state.ak.us                              | E   |
|                | Alaska Department of Fish and Game, Sport Fisheries Division                        | Mark       | Kuwada    |                                     | 333 Raspberry Road                  | Anchorage, AK 99518-1599 | 367-2277                     |                | mark.kuwada@alaskadefishandgame.state.ak.us            | E   |
|                | Alaska Department of Fish and Game, Wildlife Conservation Division                  | Denise     | Wolvin    |                                     | P.O. Box 240020                     | Douglas, AK 99824        | 465-4265                     |                | denise_wolvin@alaskadefishandgame.state.ak.us          | E   |
|                | Alaska Department of Natural Resources, Division of Mining, Land and Water          | Bub        | Loeffler  | Director                            | 550 West 7th Ave., Suite 1070       | Anchorage, AK 99501-3579 | 269-8600                     | 269-8904       | bub_loeffler@dnr.state.ak.us                           | E   |
|                | Alaska Department of Natural Resources, Division of Parks & Outdoor Recreation      | Judith     | Hilmer    | State Historic Preservation Officer | 555 W. 7th Ave., Suite 1310         | Anchorage, AK 99501      |                              |                | judy_hilmer@dnr.state.ak.us                            | E   |
|                | Alaska Department of Natural Resources, Division of Parks & Outdoor Recreation      | Gary A.    | Morrison  | Director                            | 550 W 7th Ave, Suite 1380           | Anchorage, AK 99501-3561 | 269-8700                     | 269-8907       | gary_morrison@dnr.state.ak.us                          | E   |
|                | Alaska Department of Natural Resources, Office of Habitat Management and Permitting | Stewart    | Seaborg   |                                     | 333 Raspberry Road                  | Anchorage, AK 99518      | 267-2285                     |                | stewart_seaborg@dnr.state.ak.us                        | E   |
|                | Alaska Island Air, Inc.   |            |           |                                     | PO Box 185                          | Togiak, AK 99678         | 907-479-4126, Cell 493-5121  | 907-442-5120   | alaskaislandair@alaska.net                             | E   |
|                | Branch River Air Service  |            |           |                                     | POB 545                             | King Salmon, AK 99613    | 907-246-3437                 | 907-246-3437   | branch@alaska.net                                      | E   |
|                | Branch River Air Service  |            |           |                                     | 5450 Edinburgh Drive                | Anchorage, AK 99515      | 907-248-1539                 | 907-248-3519   | branch@alaska.net                                      | E   |
|                | Bristol Bay Economic Development Corporation  | Bryce      | Edmond    | COO/Chief Operating Officer         | P.O. Box 1464                       | Dillingham, AK 99576     | 842-4370 or 800-478-4370     | 888-325-4336   | bryce@bbecdc.com                                       | E   |
|                | Bristol Bay Native Association, Natural Resources Dept.                             | Ralph      | Andersen  | Program Manager                     | P.O. Box 310                        | Dillingham, AK 99576     | ext. 361                     |                | ralpha@bbna.com  | E   |
|                | Bristol Bay Native Association, Realty Dept.  | Alan       | Backford  | Realty Specialist                   | P.O. Box 310                        | Dillingham, AK 99576     | ext. 315                     |                | alanb@bbna.com   | E   |
|                | Bristol Bay Native Corporation  | Tom        | Hawkins   | President/CEO                       | 800 Cordova Street, Suite 200       | Anchorage, AK 99501-6299 | 278-3402, 1-800-426-3602     | 276-3924       | thawkins@bbna.net                                      | E   |
|                | Bureau of Land Management, Alaska State Office                                      | Heidi      | Bisson    | State Director                      | 222 W. 7th Ave., Box 13             | Anchorage, AK 99513-7504 | 271-3080                     | 271-4596       | heidi_c_bisson@ak.blm.gov                              | E   |
|                | Environmental Protection Agency   | Judith     | Lee       | NEPA Coordinator                    | 1200 6th Ave.                       | Seattle, WA 98101        | 206-553-6911 or 800-424-4172 |                | jcy_hudith@epamail.epa.gov                             | E   |

Page 1 of 3

## Changes to Manokotak Airport Project Meeting Schedule

We'd like to inform you or your representative planning to participate in the agency informational meeting and field trip for the Manokotak Airport Runway Resurfacing and Extension project that the scheduled field trip to Manokotak has changed. The new schedule is:

### Agency Scoping Meeting

September 3, 2003 ADOT&PF Small Main Conference Rm.  
10:00 AM 4111 Aviation Avenue, Anchorage

### Change to Agency Field Trip

September 11, 2003 Village of Manokotak

The agency field trip schedule will be detailed once we have a better knowledge of how many will be attending and the ground time required. To attend the agency field trip, please RSVP by September 3 to Royce Conlon. An earlier response is better to assure seating availability.

Because of the change in the agency field trip date, we have extended the due date for agency scoping comments to:

September 25, 2003

Thank you for your patience, and we hope to see you at the scoping meeting!

### Comments, questions, and to RSVP:

Royce Conlon, PDC, Inc.  
Project Manager  
(907) 452-1414  
royceconlon@pdceng.us







UNITED STATES  
DEPARTMENT OF THE INTERIOR

BUREAU OF INDIAN AFFAIRS  
West-Central Alaska Field Office  
3501 C Street, Suite 1100  
Anchorage, Alaska 99503-5547  
(907) 271-4597  
FAX: (907) 271-2998

26 August, 2003

Jerry O. Ruehle, Environmental Coordinator  
State Department of Transportation &  
Public Facilities  
P.O. Box 196900  
Anchorage, Alaska 99519-6900  
Central Region Design Section

SUBJECT: Manokotak Airport Runway Project Number 55313

Dear Mr. Ruehle:

Thank you for your Agency Scoping Letter, dated August 21, 2003, reference the subject project.

We appreciate very much being informed of projects that may have a potential impact on restricted Native land. Manakotak is not within the West-Central Alaska Field Office jurisdiction. Therefore, by copy of this letter, we are forwarding your letter to:

Alan Backford, Acting Realty Officer  
Bristol Bay Native Association  
P.O. Box 310  
Dillingham, Alaska 99576  
(907) 842-5257

Bristol Bay Native Association has a contract with the Bureau of Indian Affairs to provide the real estate services for the Manakotak area.

If you have any questions, please contact Mr. Backford at the above address/telephone number. We would appreciate being kept on your list of interested parties for future projects. If we are not directly involved with proposed projects, we will refer you to correct Realty Service Provider.

Sincerely,

*Rose M. Brady*

Rose M. Brady  
Realty Officer

cc: Alan Backford, Bristol Bay Native Association, w/enclosure

IN REPLY REFER TO:

100-2-03

#55313

Don Backford

DX

EX

# STATE OF ALASKA

DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES  
STATEWIDE DESIGN & ENGINEERING SERVICES  
PRELIMINARY DESIGN & ENVIRONMENTAL

FRANK MURKOWSKI, GOVERNOR

4111 AVIATION AVENUE  
P.O. BOX 198900  
ANCHORAGE, ALASKA 99519-8900  
(907) 269-0542 or (907) 269-0528  
(FAX 243-6927)

August 21, 2003

Re: Manokotak Airport Runway  
Resurfacing and Extension  
Project Number: 55313  
Agency Scoping Letter

«FirstName» «LastName»  
«Title»  
«Organization»  
«Address»  
«City/State/ZIP»

«Greeting»:

The Alaska Department of Transportation and Public Facilities (ADOT&PF) and the Federal Aviation Administration (FAA) are proposing to improve the Manokotak Airport. The goal of the proposed project is to bring Manokotak Airport up to FAA standards for Design Group B-II aircraft and plan for future needs. To ensure potential impacts of the project design alternatives are identified and factors to help minimize or avoid impacts are considered, **your agency's input at this time is important.** Early identification of environmental concerns will facilitate efficient project development.

We would also like to invite you or your representative to participate in an agency informational meeting and field trip. The informational meeting will be held:

September 3, 2003                      ADOT&PF Small Main Conference Room  
10:00 AM                                  4111 Aviation Drive, Anchorage

The agency field trip and public meeting will be held the following day, September 4. ADOT&PF will provide for the charter from Dillingham to Manokotak. The schedule will be detailed once we have a better knowledge of who will be attending and the ground time required. **RSVP** for participation in the agency field trip is required by **August 27**; however, the sooner the better to assure seating availability.

Project alternatives are in the early stages of development. Site orientation and alternatives development will be based on the topography, geotechnical, wind, and environmental considerations. The enclosed **Agency Scoping Attachment** summarizes the project needs and

Manokotak Airport Runway Resurfacing and Extension / 55313  
Agency Scoping Letter  
September 8, 2003  
Page 2

Based on agency and public input, as well as additional engineering evaluations, the design team will:

- Refine the alternatives and develop layouts to minimize or avoid environmental impacts
- Eliminate alternatives that may not be reasonable
- Develop additional alternatives, if necessary

The resulting alternatives will then be carried forward into the formal NEPA evaluation process.

#### Issues Specific to Your Agency

In addition to identifying any concerns and/or issues your company might have, please provide any information and/or data with respect to airport use, access problems, land use concerns, bird strike problems or conflicts with other animals, accidents, and/or any other special conditions that might be affected by the proposed project.

#### Project Background

The goal of this proposal is to determine the community's aviation needs, design improvements to meet the current and near term needs, and provide planning to guide future development over the next 20 years.

Since startup of the project, the design team has been busy collecting background information. Activities have included:

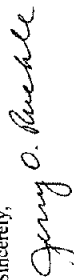
- Public meeting and field visit (March 13, 2002)
- Public, user and pilot questionnaires and interviews
- Review of agencies' files
- Collection of historical aerial photos
- Wind data collection
- Preliminary property boundary retracement surveys
- Acquisition of topographic mapping from controlled aerial photography
- Development of initial alternatives
- Geotechnical investigation

During the first phase of planning for this project, the team will determine the needed airport improvements and will develop and evaluate design alternatives to meet them. The environmental concerns associated with these improvements will be identified. Based on agency, public, and user comments and engineering and environmental considerations, ADOT&PF will select a preferred alternative. ADOT&PF expects to complete an Environmental Assessment (EA) to comply with the NEPA requirements for this FAA funded project. If a preferred build alternative is selected (as opposed to the no build alternative), construction documents will be developed. Construction is currently scheduled to begin as early as Summer 2005.

If you have any questions regarding the proposed project, please contact Rae De Ley at (907) 269-0527 or via e-mail at [rae\\_deley@dot.state.ak.us](mailto:rae_deley@dot.state.ak.us). Engineering questions may be directed to Royce Conlon, PDC Project Manager, at (907) 452-1414 or [royceconlon@pdceng.us](mailto:royceconlon@pdceng.us).

**Remember to RSVP by August 27, 2003**, to attend the informational meeting on September 3 and the agency field trip on September 4. We are requesting that you send your written comments to our offices by mail or e-mail no later than August 29, 2003.

Sincerely,



Jerry O. Ruehle  
Environmental Coordinator

Enc: Agency Scoping Attachment

cc: Don Baxter, ADOT&PF Project Manager, Anchorage  
Royce Conlon, PDC, Inc. Consulting Engineers, Project Manager

## MANOKOTAK AIRPORT RUNWAY RESURFACING & EXTENSION AGENCY SCOPING ATTACHMENT

### Purpose and Need

#### Introduction

Manokotak Airport is located in the Bristol Bay Borough, 25 miles southwest of Dillingham on the Igushik River, at location N58°59.34, W159°03.00 (Figure 1). The community of Manokotak has 404 residents and was incorporated in 1970.

#### Existing Facility Description

The existing airport, shown in Figure 2, is 2,740' long and 75' wide with safety area dimensions of 3,200' x 120'. The apron is 300' x 400'. The runway condition is reportedly the worst in the Bristol Bay region. The short runway, deteriorated runway surface, airspace penetration, and inadequate separation distances combine to hinder operations at the airport. On average, Manokotak Airport is closed 45 days per year.

The airport facilities do not meet the standards required for several types of aircraft currently operating in Manokotak. Drainage and snow drifting problems often cause partial or complete airport closures. Other non-standard conditions at the airport involve airspace penetrations and obstacles. A hill next to the runway rises approximately 800', penetrating the airspace. Besides causing an obstruction, the proximity of the hill creates wind gusts and crosswinds on the runway. The separation distances for the apron setback and the runway protection zones meet only the lowest airport classification. Further, the existing site is often fogged in or inaccessible due to inclement weather.

#### Facility Requirements

ADOT&PF Statewide Standards (reiterated in the Southwest Alaska Transportation Plan) have been determined to be appropriate for the first phase of this facility. The standards call for 3,300' minimum length, with Federal Aviation Administration (FAA) dimensional standards established for an A/B-II airport reference code. The runway, apron, and taxiway will be designed to allow for a Global Positioning System (GPS) Non-Precision Instrument (NPI) approach. Given the substantial investment required to relocate the airport and the large population of Manokotak, it is prudent to identify a site that will allow for future expansion. Thus, sites were identified that could support a 4,000' runway length.

The proposed project will provide Manokotak with an improved airport facility, and will most likely include the following activities:

- Lengthen and widen the existing runway or relocate to a new site
- Relocate the apron to meet separation standards
- Clear vegetation
- Free runway ends of obstructions to the non-precision approach standards as practicable

Relocation is being considered because expansion at the existing site could present the following challenges:

- An extension of the existing runway would be expensive and could be unstable due to swampy ground.
- An extension would likely affect wetlands, which is not in keeping with the *Multi-Agency Memorandum of Agreement Regarding Impacts to Wetland and Other Resources, Mitigation, and Airport Improvement Projects in Alaska*.
- Upgrading to provide for NPI approach capabilities makes the hill adjacent to the existing airport more of an obstruction.
- Impacts to existing residential properties near the airport are likely.
- Expansion in the future would not be easily accommodated.

### Preliminary Research Results

#### Contaminated Sites, Spills, and Underground Storage Tanks

We have researched the Alaska Department of Environmental Conservation contaminated sites, spills, and Leaking Underground Storage Tank program databases and have identified one contaminated site, the school on Salmon Street. While there have been spills at the school and adjacent tank farm, this site is not in the project area.

#### Anadromous Fish Streams

We have researched the *Alaska Department of Fish and Game Atlas to the Catalog of Waters Important to the Spawning, Rearing, or Migration of Anadromous Fishes* and have identified the Igushik and Weary Rivers as important salmon migration and spawning rivers. Arctic char and sockeye, chum, coho, pink, and king salmon all spawn in the Igushik and Weary Rivers. The backwater sloughs and tributaries around Manokotak are also important rearing habitat for salmon.

#### State Refuges, Critical Habitat Areas and Sanctuaries

We have researched the *Alaska Department of Fish and Game State of Alaska Refuges, Critical Habitat Areas and Sanctuaries* and the *Atlas to the Catalog of Waters Important to the Spawning, Rearing, or Migration of Anadromous Fishes*. There are no state legislatively designated special areas (state game refuges, sanctuaries, or critical habitat areas) in the project vicinity. The city of Manokotak is adjacent to the Togiak National Wildlife Refuge, but the proposed project will not be located on refuge lands. The Igushik and Weary Rivers and some of their tributaries provide habitat for salmon migration and spawning.

#### State Land Use Plans and State Parks

Preliminary research indicates that no state land or state parks will be affected by any of the project alternatives.

#### Historical, Archaeological, and Cultural Properties

The Alaska Heritage Resources Survey (AHRs) was reviewed; no sites were listed.

#### Coastal Zone Management

The project is in the Bristol Bay Coastal Resource Service Area.

#### Navigation, Flood Plain Management, and Wetlands:

Manokotak is not in the floodplain, and no Federal Emergency Management Agency Flood Maps were found for the area.

We expect no navigable waters to be affected by this project.

We will conduct a wetlands analysis in the project areas. The wetlands analysis will include a preliminary review of aerial photography and other supporting information and a field delineation. The preliminary review will assist in the initial evaluation of the runway alignments and selection of alternatives. The field delineation will comply with the 2003 multi-agency Memorandum of Agreement regarding impacts and mitigation for wetland and aquatic resources affected by Alaska airport projects.

#### Threatened & Endangered Species:

According to our preliminary research, no threatened or endangered species are located in the project area.

#### Essential Fish Habitat:

The Igushik and Weary Rivers and their tributaries support Essential Fish Habitat; however, the project will not directly affect these rivers.

#### Initial Site Alternatives (Figure 2)

Alternatives presented herein are for initial review. During the public and agency review and additional environmental and engineering analyses, some alternatives will be refined or eliminated. Refinements will include detailed layout of runway orientation, apron location, taxiway, and access road. Eliminated alternatives and refinements, and the reasons for them, will be documented in the Environmental Assessment.

#### Upgrading The Existing Airport:

##### Alternative E1 – Extending the Existing Runway

This alternative will resurface and extend the runway at its present location. The apron will be relocated to the required separation distance for safety.

##### Alternative E2 – Realigning the Existing Runway

This alternative will realign the runway at its present location to take advantage of the prevailing winds to the extent the surrounding terrain allows.

#### Relocation Alternatives:

##### Alternatives R1 and R1A

These alternatives relocate the airport to near Manokotak Heights. Depending on the final wind analysis, some adjustment to the orientations might be required.

##### Alternative R2

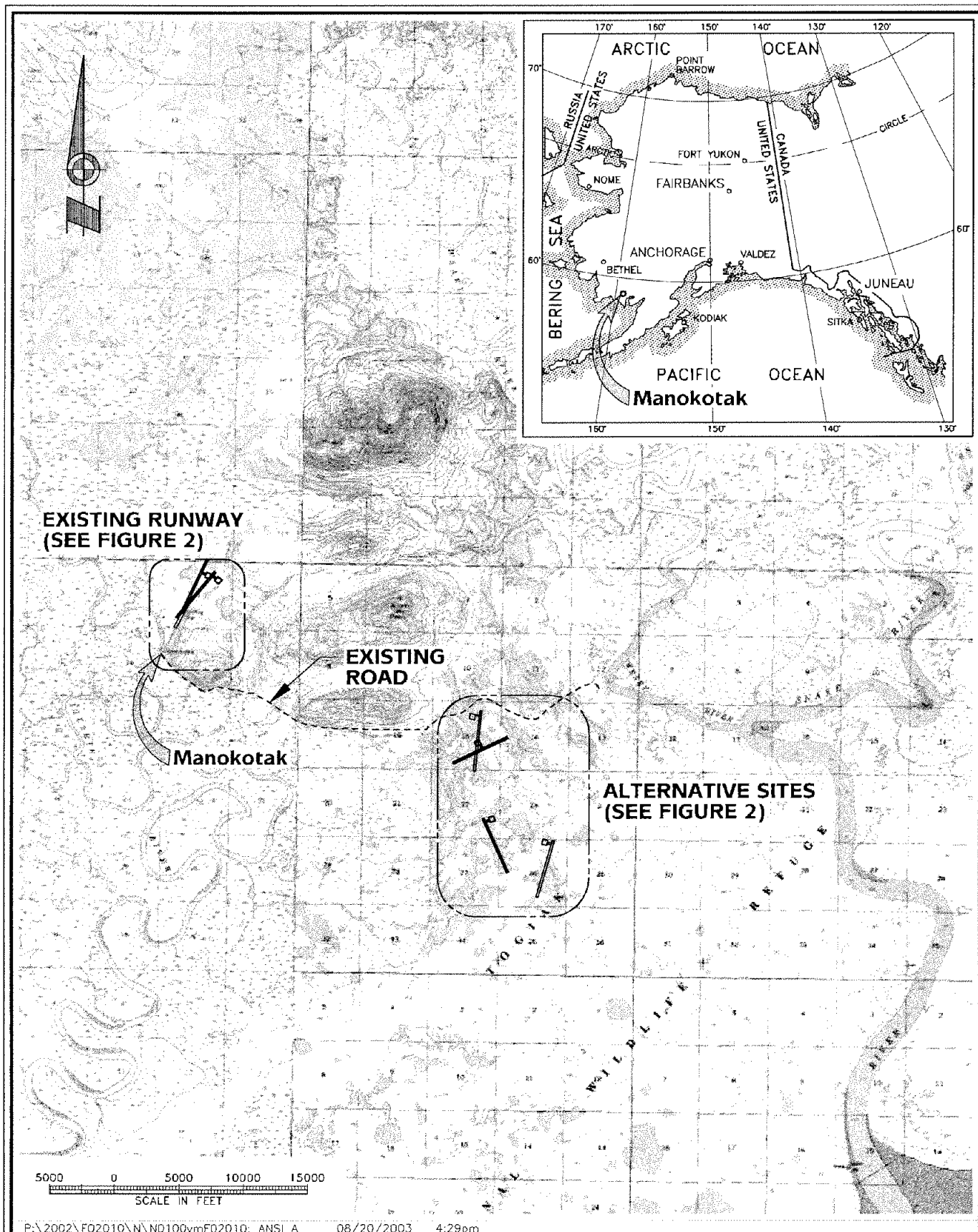
This alternative relocates the airport to near USS 12090. The alignment might need to be modified once additional wind data is available.

##### Alternative R3

This alternative would relocate the airport to the top of a ridge to the southeast of Alternative R2. Its location on the ridge limits how much the runway alignment could be reoriented to accommodate the winds.

#### **Potential Material Sites**

Figure 2 shows two material sites that may be used for this project. Manokotak Natives, Ltd., owns the surface rights at both sites, and the Bristol Bay Native Corporation (BBNC) retains ownership of the subsurface rights. The northernmost site was previously developed for construction of the Weary River Road and could be expanded. Use of the ridge to the south as a material source will depend on the results of the geotechnical investigation in progress.

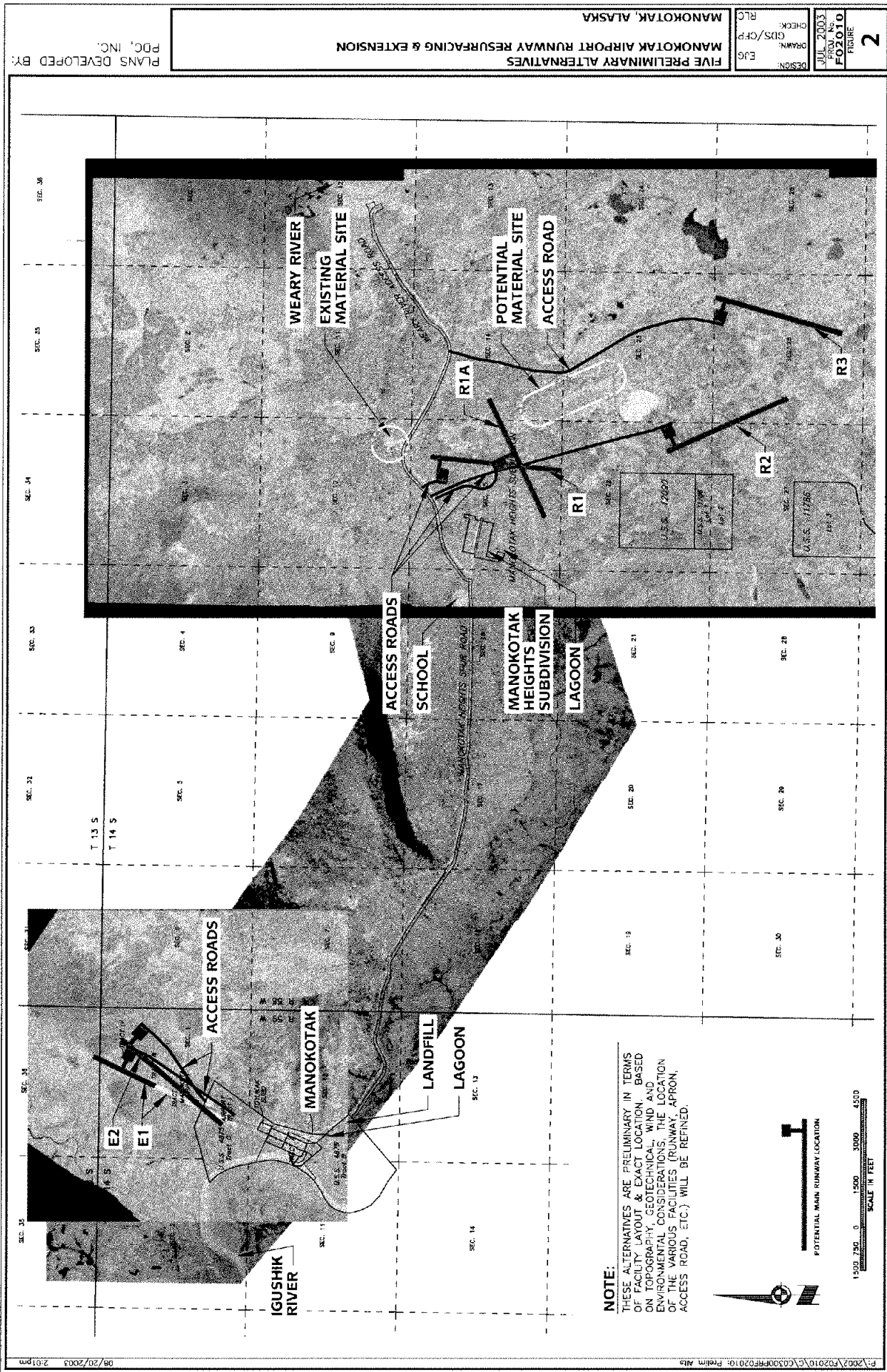


PLANS DEVELOPED BY:  
PDC, INC.

**LOCATION & VICINITY MAPS  
MANOKOTAK AIRPORT RUNWAY RESURFACING &  
EXTENSION SCOPING LETTER  
MANOKOTAK, ALASKA**

DESIGN:  
DRAWN: CFP  
CHECK: RLC  
JUL 2003

PROJ. No.  
**F02010**  
FIGURE  
**1**



FIVE PRELIMINARY ALTERNATIVES  
 MANOKOTAK AIRPORT RUNWAY RESURFACING & EXTENSION  
 MANOKOTAK, ALASKA  
 JUL 2003  
 PROJ. No. F02010  
 FIGURE 2  
 DESIGN: EJS  
 CHECK: GDS/CJP  
 PDC, INC.  
 PLANS DEVELOPED BY:

| Organization  | First Name | Last Name | Title                    | Greeting           | Address                             | City/State/Zip           | Phone          | Fax            | E-Mail  | Type   | Comments  |
|---|------------|-----------|--------------------------|--------------------|-------------------------------------|--------------------------|----------------|----------------|---|--------|---|
| Aircraft Owners & Pilots Association  | Tom        | George    |                          | Dear Mr. George    | P.O. Box 83750                      | Fairbanks, AK 99708-3750 | (907) 455-9000 | (907) 455-9001 | tggeorge@moquitosnet.com or tom.george@aopa.org | User   | In addition to identifying any concerns and/or issues your company might have, please provide any information and/or data with respect to airport use, access problems, land use concerns, bird strike problems or conflicts with other animals, accidents, and/or any other special conditions that might be affected by the proposed project.   |
| Alaska Air Carriers Association   | Karen      | Casanovas | Executive Director       | Dear Ms. Casanovas | 2301 Merrill Field Drive, Suite A-3 | Anchorage, AK 99501      | 277-0071       | 277-0072       | kaca@ptialaska.net                              | User   | In addition to identifying any concerns and/or issues your company might have, please provide any information and/or data with respect to airport use, access problems, land use concerns, bird strike problems or conflicts with other animals, accidents, and/or any other special conditions that might be affected by the proposed project.   |
| Alaska Airmen's Association, Inc.   | Felix      | Maguire   | President                | Dear Mr. Maguire   | P.O. Box 241185                     | Anchorage, AK 99524-1185 | (907) 342-8401 | (907) 245-1259 | felixmaguire@yahoo.com                          | User   | In addition to identifying any concerns and/or issues your company might have, please provide any information and/or data with respect to airport use, access problems, land use concerns, bird strike problems or conflicts with other animals, accidents, and/or any other special conditions that might be affected by the proposed project.   |
| Alaska Aviation Safety Foundation   | Tom        | Wardleigh | President                | Dear Mr. Wardleigh | 4340 Postmark Dr.                   | Anchorage, AK 99502      | (907) 243-7237 | (907) 243-7237 |   | User   | In addition to identifying any concerns and/or issues your company might have, please provide any information and/or data with respect to airport use, access problems, land use concerns, bird strike problems or conflicts with other animals, accidents, and/or any other special conditions that might be affected by the proposed project.   |
| Alaska Department of Environmental Conservation Div. of Facility Construction & Operation | Jim        | Evensen   | Municipal Grants & Loans | Dear Mr. Evensen   | P.O. Box 111800                     | Juneau, AK 99811-1800    | 465-6594       | 465-5177       | Jim_Evensen@envircon.state.ak.us                | Agency | In addition to identifying any concerns or issues your agency might have with the proposed project, the following information is requested: <ul style="list-style-type: none"> <li>If you know of any other confirmed or suspected contaminated sites, spills, and any registered underground or aboveground fuel storage tanks that might affect or be affected by the proposed project, please provide that information.</li> <li>Identify any water quality concerns.</li> <li>Provide information and/or data on existing (permitted or unpermitted) solid waste landfills, dumps, discharges, or sewage lagoons in the project area.</li> <li>Provide information and/or data on existing drinking water supplies in the project area.</li> <li>Identify any permits or clearances, if any, to be</li> </ul> |

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| Organization   | First Name | Last Name | Title                    | Greeting        | Address            | City/State/Zip           | Phone    | Fax      | E-Mail | Type   | Comments   |
|--|------------|-----------|--------------------------|-----------------|--------------------|--------------------------|----------|----------|--------|--------|--|
| Alaska Department of Environmental Conservation Division of Statewide Public Service | Alan       | Wien      | Environmental Specialist | Dear Mr. Wien   | P.O. Box 871064    | Wasilla, AK 99687        | 376-5038 | 376-2382 |        | Agency | obtained from your agency for the proposed project.<br>In addition to identifying any concerns or issues your agency might have with the proposed project, the following information is requested: <ul style="list-style-type: none"> <li>If you know of any other confirmed or suspected contaminated sites, spills, and any registered underground or aboveground fuel storage tanks that might affect or be affected by the proposed project, please provide that information.</li> <li>Identify any water quality concerns.</li> <li>Provide information and/or data on existing (permitted or unpermitted) solid waste landfills, dumps, discharges, or sewage lagoons in the project area.</li> <li>Provide information and/or data on existing drinking water supplies in the project area.</li> <li>Identify any permits or clearances, if any, to be obtained from your agency for the proposed project.</li> </ul>   |
| Alaska Department of Fish and Game Sport Fisheries Division                          | Mark       | Kuwada    |                          | Dear Mr. Kuwada | 333 Raspberry Road | Anchorage, AK 99518-1599 | 267-2277 |          |        | Agency | We have researched the Alaska Department of Fish and Game <i>State of Alaska Refuges, Critical Habitat Areas and Sanctuaries</i> and the <i>Atlas to the Catalog of Waters Important to the Spawning, Rearing, or Migration of Anadromous Fishes</i> . There are no state legislatively designated special areas (state game refuges, sanctuaries, or critical habitat areas) in the project vicinity. The Igushik and Weary Rivers and some of their tributaries provide habitat for salmon migration and spawning.<br><br>In addition to identifying any concerns or issues your agency might have with the proposed project, the following information is requested: <ul style="list-style-type: none"> <li>If you have any other information or data on anadromous or resident fish streams in the vicinity of the proposed project, including spawning/rearing habitat and migration corridors, please provide us that information.</li> <li>If the project affects wildlife migration corridors or bisects wildlife habitat, please provide that information.</li> </ul> |

P:\2002\F02010\0CorAgency\Scoping Letter\Contact List.doc



| Organization   | First Name | Last Name | Title                               | Greeting        | Address                                 | City          | State | ZIP | Phone    | Fax | E-Mail | Type   | Comments   |
|--|------------|-----------|-------------------------------------|-----------------|---|---------------|-------|-----|----------|-----|--------|--------|--|
|  |            |           |                                     |                 |   |               |       |     |          |     |        |        | <ul style="list-style-type: none"> <li>Identify any fish species within the project boundaries that might be used for subsistence.</li> <li>Provide information on wildlife other than fish in the vicinity of the proposed project.</li> <li>Identify any clearances to be obtained from your agency for the proposed project.</li> </ul>   |
| Alaska Department of Fish and Game<br>Wildlife Conservation Division             | Denise     | Wolvin    |                                     | Dear Ms. Wolvin | P.O. Box 240020                         | Douglas, AK   | 99824 |     | 465-4265 |     |        | Agency | <p>We have researched the Alaska Department of Fish and Game <i>State of Alaska Refuges, Critical Habitat Areas and Sanctuaries</i> and the <i>Atlas to the Catalog of Waters Important to the Spawning, Rearing, or Migration of Anadromous Fishes</i>. There are no state legislatively designated special areas (state game refuges, sanctuaries, or critical habitat areas) in the project vicinity. The Igushik and Weary Rivers and some of their tributaries provide habitat for salmon migration and spawning.</p> <p>In addition to identifying any concerns or issues your agency might have with the proposed project, the following information is requested:</p> <ul style="list-style-type: none"> <li>If you have any other information or data on anadromous or resident fish streams in the vicinity of the proposed project, including spawning/rearing habitat and migration corridors, please provide us that information.</li> <li>If the project affects wildlife migration corridors or bisects wildlife habitat, please provide that information.</li> <li>Identify any fish species within the project boundaries that might be used for subsistence.</li> <li>Provide information on wildlife other than fish in the vicinity of the proposed project.</li> <li>Identify any clearances to be obtained from your agency for the proposed project.</li> </ul> |
| Alaska Department of Natural Resources<br>Division of Parks & Outdoor Recreation | Judith     | Bitner    | State Historic Preservation Officer | Dear Ms. Bitner | 555 W. 7 <sup>th</sup> Ave., Suite 1310 | Anchorage, AK | 99501 |     |          |     |        | Agency | <p>We have researched the Alaska Heritage Resources Survey (AHRs) for the project area. No sites were identified in the vicinity of Manokotak.</p> <p>In addition to identifying any concerns and/or issues you</p>  |

P:\2002\F02010\0CorAgency\Scoping Letter\Contact List.doc

| Organization   | First Name | Last Name      | Title                    | Greeting                | Address                       | City          | State | ZIP  | Phone        | Fax      | E-Mail                                 | Type   | Comments  |
|--|------------|----------------|--------------------------|-------------------------|-------------------------------|---------------|-------|------|--------------|----------|--|--------|---|
|  |            |                |                          |                         |                               |               |       |      |              |          |  |        | might have with the proposed project, please provide information on any confirmed or potential archaeological, historical, and/or cultural sites in the vicinity of the proposed project.   |
| Alaska Department of Natural Resources<br>Division of Governmental Coordination<br>Office of Project Management and Permitting | Cynthia    | Zuelow-Osborne | Project Review Assistant | Dear Ms. Zuelow-Osborne | 550 W. 7th Ave., Suite 1660   | Anchorage, AK | 99501 |      | 907-269-7478 |          | Cynthia.Zuelow-Osborne@dnr.state.ak.us | Agency | <p>We have looked at your website and believe that Manokotak is in the Bristol Bay CRSA coastal zone.</p> <p>In addition to identifying any concerns and/or issues your agency might have with the proposed project, the following information is requested:</p> <ul style="list-style-type: none"> <li>Please identify any potential conflicts the proposed project might have with the goals or objectives of the local coastal management program.</li> <li>At the present time, does your district have any objections to the proposed project?</li> </ul>  |
| Alaska Department of Natural Resources<br>Division of Parks & Outdoor Recreation   | Gary A.    | Morrison       | Director                 | Dear Mr. Morrison       | 550 W 7th Ave, Suite 1380     | Anchorage, AK | 99501 | 3561 | 269-8700     | 269-8907 |  | Agency | <p>In addition to identifying any concerns or issues your agency might have with the proposed project, the following information is requested. Our preliminary review of the ADNRR DPOR Catalog of the Alaska State Park System indicates that there are no State Parks in the project area. If you know of any existing or proposed State Parks in the vicinity of the project, and can identify any park objectives or activities that might conflict with the proposed project, please provide that information.</p>   |
| Alaska Department of Natural Resources<br>Division of Mining, Land and Water   | Bob        | Loeffler       | Director                 | Dear Mr. Loeffler       | 550 West 7th Ave., Suite 1070 | Anchorage, AK | 99501 | 3579 | 269-8600     | 269-8904 |  | Agency | <p>In addition to identifying any concerns or issues your agency might have with the proposed project, the following information is requested:</p> <ul style="list-style-type: none"> <li>Land Use Plans – We have researched the ADNRR Land Use Plan for the project area and any findings are identified in the agency scoping attachment. If you know of any other existing and/or proposed land use plans and can identify any land use objectives that might conflict with the proposed project, please provide that information.</li> <li>Land Use – Are there any state lands in the project area? If so, have any authorizations such as Land Use Permits, Leases, Rights-of-Way, Material Site Contracts or ILMA's been issued which would conflict with the project?</li> </ul> |

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| Organization  | First Name | Last Name | Title                          | Greeting               | Address            | City/State/Zip       | Phone    | Fax | E-Mail | Type   | Comments   |
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|   |            |           |                                |                        |                    |                      |          |     |        |        | <ul style="list-style-type: none"> <li>Permits – Please identify any permits or clearances to be obtained from your agency for the proposed project.</li> </ul>  |
| Alaska Department of Natural Resources<br>Office of Habitat Management and Permitting | Stewart    | Seaberg   |                                | Dear Mr. Seaberg       | 333 Raspberry Road | Anchorage, AK 99518  | 267-2285 |     |        | Agency | <p>We have researched the Alaska Department of Fish and Game Atlas to the Catalog of Waters Important to the Spawning, Rearing, or Migration of Anadromous Fishes and have identified the Igushik and Weary Rivers as important salmon migration and spawning rivers. Arctic char and sockeye, chum, coho, pink, and king salmon all spawn to the Igushik and Weary Rivers. The backwater sloughs and tributaries around Manokotak are also important rearing habitat for salmon.</p> <p>In addition to identifying any concerns or issues your agency might have with the proposed project, the following information is requested:</p> <ul style="list-style-type: none"> <li>If you have any other information or data on anadromous or resident fish streams in the vicinity of the proposed project, including spawning/rearing habitat and migration corridors, please provide us that information.</li> <li>Identify any permits or clearances to be obtained from your agency for the proposed project.</li> </ul> |
| All AIR CARRIERS<br>(see list)  |            |           |                                | To Whom It May Concern |                    |                      |          |     |        | Users  | <p>In addition to identifying any concerns and/or issues your company might have, please provide any information and/or data with respect to airport use, access problems, land use concerns, bird strike problems or conflicts with other animals, subsistence use on or accessed through airport property, accidents, and/or any other special conditions that might be affected by the proposed project.</p>  |
| Bristol Bay Economic Development Corporation  | Bryce      | Edgmon    | COO<br>Chief Operating Officer | Dear Mr. Edgmon        | P.O. Box 1464      | Dillingham, AK 99576 |          |     |        | Chief  | <p>In addition to identifying any concerns and/or issues you might have with the proposed project, the following information is requested:</p> <ul style="list-style-type: none"> <li>Identify any existing and/or proposed zoning requirements and/or land use controls in the project area. If permits are required please identify which ones.</li> </ul> <p>Identify any other local improvement project(s) under construction or proposed in the vicinity of the project within the foreseeable future.</p>   |

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| Bristol Bay Native Association<br>Natural Resources Dept. | Ralph      | Andersen  | Program Manager   | Dear Mr. Andersen | P.O. Box 310               | Dillingham, AK 99576     | ext. 361         |                  | ralpha@bbna.com | Agency | <p>In addition to identifying any concerns and/or issues you might have with the proposed project, please let us know if your association supports the project?</p>   |
| Bristol Bay Native Association<br>Realty Dept.            | Alan       | Backford  | Realty Specialist | Dear Mr. Backford | P.O. Box 310               | Dillingham, AK 99576     | ext. 335         |                  | alanb@bbna.com  | Agency | <p>We have researched the Alaska Heritage Resources Survey (AHRS) for the project area and no sites were identified in the vicinity of Manokotak. Our understanding is that this community is relatively new; therefore the potential for historically qualifying properties is limited.</p> <p>In addition to identifying any concerns and/or issues you might have with the proposed project, the following information is requested:</p> <ul style="list-style-type: none"> <li>If you know of any confirmed or potential archaeological, historical, and/or cultural sites in the vicinity of the proposed project, please provide that information.</li> <li>Please provide any information regarding corporation or native allotment land that might be affected by the project.</li> <li>Does your association support the project?</li> </ul> |
| Bristol Bay Native Corporation                            | Tom        | Hawkins   | President/CEO     | Dear Mr. Hawkins  | 800 Cordova St., Suite 200 | Anchorage, AK 99501-6299 | 278-3602, 1-3924 | 276-800-426-3602 |                 | Agency | <p>We have obtained Rights-of-Entry for access to perform surveying, geo-technical inspections and environmental assessment from Manokotak Natives, Ltd. and Bristol Bay Native Corporation.</p> <ul style="list-style-type: none"> <li>Identify any other permit requirements needed for the surface or subsurface use of the land in the project area.</li> </ul>   |
| Bristol Bay Native Corporation                            | Chester    | Murphy    |                   | Dear Mr. Murphy   | P.O. Box 100220            | Anchorage, AK 99510      |                  |                  |                 | Agency | <p>We have researched the Alaska Heritage Resources Survey (AHRS) for the project area and no sites were identified in the vicinity of Manokotak. Our understanding is that this community is relatively new; therefore the potential for historically qualifying properties is limited.</p> <p>We have obtained Rights-of-Entry for access to perform surveying, geo-technical inspections and environmental assessment from Manokotak Natives, Ltd. and Bristol Bay Native Corporation.</p> <p>In addition to identifying any concerns and/or issues you</p>  |

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|  |            |           |                       |                 |                        |               |            |     |          |          |        |        | <p>might have with the proposed project, the following information is requested:</p> <ul style="list-style-type: none"><li>If you know of any confirmed or potential archaeological, historical, and/or cultural sites in the vicinity of the proposed project, please provide that information.</li><li>Please provide any information regarding corporation or native allotment land that might be affected by the project.</li><li>Identify any other permit requirements needed for the surface or subsurface use of the land in the project area.</li><li>Does your corporation support the project?</li></ul>  |
| Bureau of Indian Affairs<br>Realty Dept.<br>W. Central Alaska Field Office | Rose       | Brady     | Realty Officer        | Dear Ms. Brady  | 3301 C St., Suite 1100 | Anchorage, AK | 99503-3935 |     | 271-4697 | 271-1747 |        | Agency | <p>We have researched the Alaska Heritage Resources Survey (AHRS) for the project area and no sites were identified in the vicinity of Manokotak. Our understanding is that this community is relatively new; therefore the potential for historically qualifying properties is limited.</p> <p>In addition to identifying any concerns and/or issues you might have with the proposed project, the following information is requested:</p> <ul style="list-style-type: none"><li>If you know of any confirmed or potential archaeological, historical, and/or cultural sites in the vicinity of the proposed project, please provide that information.</li><li>Please provide any information regarding corporation or native allotment land that might be affected by the project.</li><li>Does your agency support the project?</li></ul> |
| Bureau of Land Management  | Henri      | Bisson    | Alaska State Director | Dear Mr. Bisson | 222 W. 7th Ave., #13   | Anchorage, AK | 99504      |     | 271-5080 | 271-4596 |        | Agency | <p>We have researched the BLM website with respect to BLM Recreation Areas and conducted preliminary land status research using BLM Master Title Plats of the general project area. Our preliminary research indicates that the existing airport is in a BLM lease area. In addition, there is a chance that the project will affect the Manokotak-Dillingham trail. Please identify any clearances to be obtained from your agency for the proposed project. If you</p>   |

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|                                 |            |           |                  |                   |                           |               |       |     |                              |     |                            |            | <p>have any other information and/or data on Recreation Areas, Native Allotments, or other private lands in the project area that might potentially be affected by the proposal, please provide that information.</p>  |
| City of Manokotak               | Nels       | Franklin  | Mayor            | Dear Mr. Franklin | P.O. Box 170              | Manokotak, AK | 99628 |     | 289-1027                     |     |                            | Government | <p>We have researched the Alaska Heritage Resources Survey (AHRS) for the project area and no sites were identified in the vicinity of Manokotak. Our understanding is that this community is relatively new; therefore the potential for historically qualifying properties is limited.</p> <p>In addition to identifying any concerns and/or issues you might have with the proposed project, the following information is requested:</p> <ul style="list-style-type: none"><li>If you know of any confirmed or potential archaeological, historical, and/or cultural sites in the vicinity of the proposed project, please provide that information.</li><li>Are the potential alternatives consistent with subsistence land use?</li><li>Does the community support the project?</li><li>Identify any existing and/or proposed zoning requirements and/or land use controls in the project area. If permits are required, please identify them.</li><li>Identify any other local improvement project(s) either under construction or proposed for construction in the vicinity of the proposed project within the foreseeable future.</li><li>Please provide any information regarding land ownership that might be affected by the project.</li></ul> |
| Environmental Protection Agency | Judith     | Lee       | NEPA Coordinator | Dear Ms. Lee      | 1200 6 <sup>th</sup> Ave. | Seattle, WA   | 98101 |     | 206-553-6911 or 800-424-4372 |     | lee.judith@epamail.epa.gov | Agency     | <p>We have researched the Alaska Department of Environmental Conservation contaminated sites, spills, and Leaking Underground Storage Tank program databases and have identified a contaminated site at the school on Salmon Street. There have been historical spills at the school and adjacent tank farm. This site is not in the project area.</p> <p>In addition to identifying any concerns or issues your agency might have with the proposed project, the following information is requested:</p>  |

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|                           |            |           |                   |                    |              |                     |          |     |        |        | <ul style="list-style-type: none"> <li>Identify any sole source or principal drinking water sources that might be affected by the proposed project.</li> <li>If you know of any other confirmed or suspected contaminated sites, spills, and/or any registered underground or aboveground fuel storage tanks that might affect or be affected by the proposed project, please provide that information.</li> <li>Identify any permits and/or clearances to be obtained from your agency for the proposed project.</li> </ul>  |
| Manokotak Natives Limited | Nels       | Franklin  | President and CEO | Dear Mr. Franklin  | P.O. Box 149 | Manokotak, AK 99628 | 289-1062 |     |        | Agency | <p>We have researched the Alaska Heritage Resources Survey (AHRS) for the project area and no sites were identified in the vicinity of Manokotak. Our understanding is that this community is relatively new; therefore the potential for historically qualifying properties is limited.</p> <p>We have obtained Rights-of-Entry for access to perform surveying, geo-technical inspections and environmental assessment from Manokotak Natives, Ltd. and Bristol Bay Native Corporation.</p> <p>In addition to identifying any concerns and/or issues you might have with the proposed project, the following information is requested:</p> <ul style="list-style-type: none"> <li>If you know of any confirmed or potential archaeological, historical, and/or cultural sites in the vicinity of the proposed project, please provide that information.</li> <li>Does your organization support the project?</li> <li>Please provide any information regarding corporation or native allotment land that might be affected by the project.</li> <li>Identify any other permit requirements needed for the surface or subsurface use of the land in the project area.</li> </ul> |
| Manokotak Power Company   | Carl       | Itumelria | Manager           | Dear Mr. Itumelria | P.O. Box 149 | Manokotak, AK 99628 | 289-1062 |     |        |        | <p>In addition to identifying any concerns and/or issues you might have with the proposed project, the following information is requested:</p> <ul style="list-style-type: none"> <li>Identify any existing and/or proposed zoning</li> </ul>   |

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|                           |            |            |           |                |              |                     |          |     |  |            | <p>requirements and/or land use controls in the project area. If permits are required please identify which ones.</p> <ul style="list-style-type: none"> <li>Identify any other local improvement project(s) under construction or proposed in the vicinity of the project within the foreseeable future.</li> </ul>   |
| Manokotak Village Council | Michael    | Gloko, Sr. | President | Dear Mr. Gloko | P.O. Box 169 | Manokotak, AK 99628 | 289-2067 |     | <a href="mailto:munkvc@bbn.com">munkvc@bbn.com</a> | Government | <p>The purpose of this letter is in keeping with the Governor's Millennium Agreement between the State of Alaska and Federally recognized tribes in Alaska. At this time, I would like to lay the foundation for consultation with your organization to determine if the proposed action would significantly or uniquely affect your tribe. Our earlier meeting in the community in no way detracts from our intention to consult with you per the Millennium Agreement as the recognized tribe in Manokotak.</p> <p>If needed, prior to the public meeting, we would like to meet with you to explain the scope of work, the preliminary alternatives, potential environmental issues, and generally to discuss any concerns the Manokotak Village Council might have with the proposed project. Will you be available while we are in Manokotak? If not, is there someone else we may speak with who can represent the interests of the Council? We look forward to meeting you and your involvement with the proposed project.</p> <p>We have researched the Alaska Heritage Resources Survey (AHRS) for the project area and no sites were identified in the vicinity of Manokotak. Our understanding is that this community is relatively new, so the potential for historically qualifying properties is limited.</p> <p>In addition to identifying any concerns and/or issues you might have with the proposed project, the following information is requested:</p> <ul style="list-style-type: none"> <li>If you know of any confirmed or potential archaeological, historical, and/or cultural sites in the vicinity of the proposed project, please provide that information.</li> </ul> |

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|  |            |           |                          |                    |                           |               |       |      |          |     |                                   |        | <ul style="list-style-type: none"><li>• Please provide any information regarding corporation or native allotment land that might be affected by the project.</li><li>• Does the council support the project?</li><li>• Identify any existing and/or proposed zoning requirements and/or land use controls in the project area that might require permits. If permits are required, please identify which ones are needed.</li><li>• Identify any local improvements or projects that are proposed or under construction in the vicinity of the project.</li></ul>   |
| National Marine Fisheries Service<br>Habitat Conservation Division               | Jeanne     | Hanson    |                          | Dear Ms. Hanson    | 222 West 7th Ave. #43     | Anchorage, AK | 99513 | 7577 | 271-6354 |     | Jeanne.Hanson@noaa.gov            | Agency | According to our research, no threatened or endangered species or essential fish habitat are located in the project area. In addition to identifying any concerns and/or issues your agency might have with the proposed project, the following information is requested: <ul style="list-style-type: none"><li>• If you have any other information or data on threatened or endangered species in the project area that might be affected by the proposed project, please provide that information.</li><li>• If you have any other information or data on essential fish habitat species or habitat, please provide that information.</li></ul> |
| National Park Service  | Rob        | Arnberger | Alaska Regional Director | Dear Mr. Arnberger | 250 W. 5th Ave., Room 114 | Anchorage, AK | 99501 |      |          |     |                                   | Agency | We have researched the NPS website with respect to National Parks, Monuments, Preserves and Wild and Scenic Rivers for the project area and any findings are identified in the agency scoping attachment. If you have any other information and/or data on any of these land use designations in the project that that might potentially be affected by the proposal, please provide that information.  |
| State of Alaska<br>Statewide Services<br>Former Habitat and Restoration Division | Robin      | Willis    |                          | Dear Ms. Willis    | 333 Raspberry Road        | Anchorage, AK | 99518 |      |          |     | robin_willis@fishgame.state.ak.us | Agency | We have researched the Alaska Department of Fish and Game <i>State of Alaska Refuges, Critical Habitat Areas and Sanctuaries</i> and the <i>Atlas to the Catalog of Waters Important to the Spawning, Rearing, or Migration of Anadromous Fishes</i> . There are no state legislatively designated special areas (state game refuges, sanctuaries, or critical habitat areas) in the project vicinity. The Igushik and Weary Rivers and some of their tributaries provide habitat for salmon migration and spawning.  |

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|                                 |            |            |                |                     |                |                |       |     |          |     |                  |        | <p>In addition to identifying any concerns or issues your agency might have with the proposed project, the following information is requested:</p> <ul style="list-style-type: none"><li>• If you have any other information or data on anadromous or resident fish streams in the vicinity of the proposed project, including spawning/rearing habitat and migration corridors, please provide us that information.</li><li>• If the project affects wildlife migration corridors or bisects wildlife habitat, please provide that information.</li><li>• Identify any clearances to be obtained from your agency for the proposed project.</li></ul>  |
| Togiak National Wildlife Refuge | Aaron      | Archebuche | Refuge Manager | Dear Mr. Archebuche | P.O. Box 10201 | Dillingham, AK | 99576 |     | 842-1063 |     | 7709797@fw.s.gov | Agency | According to our research, no threatened or endangered species are located in the project area. The city of Manokotak is adjacent to the Togiak National Wildlife Refuge. The proposed project will not be located on refuge lands. We will conduct a field wetlands survey of the project area to comply with the Memorandum of Agreement among the Federal Aviation Administration, U.S. Army Corps of Engineers, DOT&PF, U.S. Fish and Wildlife Service, and Alaska Department of Fish and Game regarding impacts to wetland and other aquatic resources, mitigation, and airport improvement projects in Alaska. <p>In addition to identifying any concerns or issues your agency might have with the proposed project, the following information is requested:</p> <ul style="list-style-type: none"><li>• If you have any other information or data on threatened or endangered species in the project area that might potentially be affected by the proposed project please provide that information.</li><li>• If you know of any other existing or proposed refuge lands in the vicinity of the project and can identify any refuge objectives or activities that might conflict with the proposed project, please provide that information.</li><li>• If you know of any wetlands that might be affected by the proposed project, please provide that information.</li></ul> |

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|   |            |           |                                |                   |   |                              |                      |          |                       |        | <ul style="list-style-type: none"> <li>Provide information or data on important fish and wildlife habitats or migration corridors potentially affected by the proposed project.</li> <li>Provide information on known active or inactive eagle nests in the project area.</li> <li>Identify any permits and/or clearances to be obtained from your agency for the proposed project.</li> </ul>  |
| U. S. Environmental Protection Agency             | Ted        | Rockwell  |                                | Dear Mr. Rockwell | Federal Building Room 537 222 W. 7 <sup>th</sup> Ave., Rm. 19 | Anchorage, AK 99513-7588     | 271-5083 or 271-3689 | 271-3424 | Rockwell.thed@epa.gov | Agency | <p>We have researched the Alaska Department of Environmental Conservation contaminated sites, spills, and Leaking Underground Storage Tank program databases and have identified a contaminated site at the school on Salmon Street. There have been historical spills at the school and adjacent tank farm. This site is not in the project area.</p> <p>In addition to identifying any concerns or issues your agency might have with the proposed project, the following information is requested:</p> <ul style="list-style-type: none"> <li>Identify any sole source or principal drinking water sources that might be affected by the proposed project.</li> <li>If you know of any other confirmed or suspected contaminated sites, spills, and any registered underground or aboveground fuel storage tanks that might affect or be affected by the proposed project, please provide that information.</li> <li>Identify any permits and/or clearances to be obtained from your agency for the proposed project.</li> </ul> |
| U.S. Army Corps of Engineers<br>CEPOA-EN-CW-HH    | Harlan     | LeGare    | Chief of Floodplain Management | Dear Mr. LeGare   | P.O. Box 6898   | Elmendorf AFB, AK 99506-0898 | 753-2610             | 753-2625 |                       | Agency | <p>We have found no Federal Emergency Management Agency Flood Maps for Manokotak, Alaska. If you know of any information and/or data about the base floodplains, regulatory floodways, and/or special flood hazard areas of drainages that might be affected by the proposed project, please provide that information.</p>  |
| U.S. Army Corps of Engineers<br>Regulatory Branch | Don        | Rice      |                                | Dear Mr. Rice     | P.O. Box 6898   | Elmendorf AFB, AK 99506-6898 | 753-5557             |          |                       | Agency | <p>We will conduct a wetlands analysis in the project areas. The wetlands analysis will include a preliminary review of aerial photography and other supporting information and a field delineation. The preliminary review will assist in the initial evaluation of the runway alignments and selection of alternatives. The field delineation will comply with the Memorandum of Agreement among the Federal Aviation</p>   |

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|  |            |             |                             |                      |                  |                       |          |          |   |        | <p>Administration, U.S. Army Corps of Engineers, DOT&amp;PF, U.S. Fish and Wildlife Service, and Alaska Department of Fish and Game regarding impacts to wetland and other aquatic resources, mitigation, and airport improvement projects in Alaska.</p> <p>In addition to identifying any concerns or issues your agency might have with the proposed project, the following information is requested:</p> <ul style="list-style-type: none"> <li>Identify any permits or clearances to be obtained from your agency for the proposed project.</li> <li>Are there any navigable waters of the U.S. in the project vicinity over which the USACE has Section 10 authority?</li> </ul>  |
| U.S. Army Corps of Engineers – COE                                   | Steve      | Boardman    | Chief of Project Management | Dear Mr. Boardman    | P.O. Box 898     | Anchorage, AK 99506   | 753-5799 | 753-5526 | Stephen.C.Boardman@pao02.usace.army.mil | Agency | <p>We will conduct a wetlands analysis in the project areas. The wetlands analysis will include a preliminary review of aerial photography and other supporting information and a field delineation. The preliminary review will assist in the initial evaluation of the runway alignments and selection of alternatives. The field delineation will comply with the Memorandum of Agreement among the Federal Aviation Administration, U.S. Army Corps of Engineers, DOT&amp;PF, U.S. Fish and Wildlife Service, and Alaska Department of Fish and Game regarding impacts to wetland and other aquatic resources, mitigation, and airport improvement projects in Alaska.</p> <p>In addition to identifying any concerns or issues your agency might have with the proposed project, the following information is requested:</p> <ul style="list-style-type: none"> <li>Identify any permits or clearances to be obtained from your agency for the proposed project.</li> <li>Are there any navigable waters of the U.S. in the project vicinity over which the USACE has Section 10 authority?</li> </ul> |
| U.S. Coast Guard<br>17th Coast Guard District<br>Aides to Navigation | James      | Helfinstine |                             | Dear Mr. Helfinstine | P.O. Box 25517   | Juneau, AK 99802-5517 | 463-2025 | 463-2023 | jhelfinstine@cgakaska.uscg.mil          | Agency | <p>In addition to identifying any concerns and/or issues you might have with the proposed project, please provide information on any navigable waters of the U.S. in the project vicinity over which the USCG has authority.</p>  |
| U.S. Department of Agriculture                                       | Calvin     | Miller      | Resource Conservation       | Dear Mr. Miller      | 800 W. Evergreen | Palmer, AK 99645      | 761-7758 | 761-7790 |   | Agency | <p>Although we believe that no unique or important farmland will be affected by the project, a confirmation from you</p>  |

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| Natural Resources Conservation Service           |            |           | onist |                | St., Suite 100               |        |       |            |          |     |        |        | would be appreciated.   |
| U.S. Department of Agriculture Wildlife Services | Corey      | Rossi     |       | Dear Mr. Rossi | 1800 Glenn Highway, Suite 12 | Palmer | AK    | 99645-6736 | 745-7200 |     |        | Agency | <p>Based on our review of topographic maps and aerial photography, we have calculated the distances from the existing and potential runway sites to existing and proposed landfill sites and to the sewage lagoons.</p> <p>The southwest end of the existing runway is 1,100 feet from the Igushik River, and the existing landfill is located to the south approximately 4,000 feet from the runway. Both sewage lagoons are at least 3,000 feet southeast of the existing runway. The alternative runway locations we are considering lie between 2 and 3 miles west and southwest of the Weary River, more than 4 miles east of the landfill and no closer than 3,000 feet east of the lagoons.</p> <p>The community is also considering moving the landfill. Two potential relocation sites are currently under review. One is approximately 1½ miles east of the existing runway and 3 miles west of the nearest alternative runway site. The other is more than 4 miles east of the existing runway and 2,500 feet north of the nearest alternative runway site. Airspace for the runway alternative R1 would be located between one of the potential landfill relocation sites and the Weary River.</p> <p>Other wildlife considerations in the area include 1) several prominent hills that may provide nesting and roosting areas for common ravens and 2) numerous tributary streams, wetlands, and ponds that may provide habitat for migratory waterbirds.</p> <p>Please identify any concerns or issues that your agency might have with the proposed project. In addition, we request the following:</p> <ul style="list-style-type: none"><li>• If you have other information or data that indicates a wildlife hazard associated with any of the airport alternatives, please provide us that information.</li><li>• Please advise us whether a wildlife hazard survey is needed. If so, when would the results of this survey be</li></ul> |

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| Organization   | First Name | Last Name | Title | Greeting           | Address                    | City      | State | Zip   | Phone | Fax | E-Mail | Type   | Comments  |
|--|------------|-----------|-------|--------------------|----------------------------|-----------|-------|-------|-------|-----|--------|--------|---|
|  |            |           |       |                    |                            |           |       |       |       |     |        |        | available to us from USDA, and is there any specific information we could provide to help you complete the survey? We are planning a site visit in September 2003 to evaluate each alternative for jurisdictional wetlands. During this visit, we could observe bird and mammal movements in relation to runways and airspace and forward this information to USDA.   |
| U.S. Fish and Wildlife Service Western Alaska Ecological Service | Ann        | Rappoport |       | Dear Ms. Rappoport | 605 W. 4th Ave., Room G-61 | Anchorage | AK    | 99501 |       |     |        | Agency | <p>According to our research, no threatened or endangered species are located in the project area. The city of Manokotak is adjacent to the Togiak National Wildlife Refuge. The proposed project will not be located on refuge lands. We will conduct a field wetlands survey of the project area to comply with the Memorandum of Agreement among the Federal Aviation Administration, U.S. Army Corps of Engineers, DOT&amp;PF, U.S. Fish and Wildlife Service, and Alaska Department of Fish and Game regarding impacts to wetland and other aquatic resources, mitigation, and airport improvement projects in Alaska.</p> <p>In addition to identifying any concerns or issues your agency might have with the proposed project, the following information is requested:</p> <ul style="list-style-type: none"><li>• If you have any other information or data on threatened or endangered species in the project area that might potentially be affected by the proposed project please provide that information.</li><li>• If you know of any other existing or proposed refuge lands in the vicinity of the project and can identify any refuge objectives or activities that might conflict with the proposed project, please provide that information.</li><li>• If you know of any wetlands that might be affected by the proposed project, please provide that information.</li><li>• Provide information or data on important fish and wildlife habitats or migration corridors potentially affected by the proposed project.</li><li>• Provide information on known active or inactive eagle nests in the project area.</li><li>• Identify any permits and/or clearances to be obtained from your agency for the proposed project.</li></ul> |

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Note: Copies of the letter to the City of Manokotak were also forwarded to:

Senator Lyman Hoffman, Alaska State Capitol, Room 514, Juneau, AK 99801-1182  
Representative Carl Moses, Alaska State Legislature, 716 W. 4<sup>th</sup> Ave., Suite 470, Anchorage, AK 99501-2133

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Manokotak Airport Runway Resurfacing and Extension  
Contact List

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| Organization                                     | FirstName | LastName | Title       | Greeting               | Address                            | CityStateZIP             |
|--|-----------|----------|-------------|------------------------|------------------------------------|--------------------------|
| A Ball Air                                       |           |          |             | To Whom It May Concern | P.O. Box 745                       | Dillingham, AK 99576     |
| Aero Twin, Inc.                                  |           |          |             | To Whom It May Concern | 2404 Merrill Field Dr.             | Anchorage, AK 99501      |
| Air Cargo Express                                |           |          |             | To Whom It May Concern | P.O. Box 251                       | Dillingham, AK 99576     |
| Alaska Cargo Services                            |           |          |             | To Whom It May Concern | P.O. Box 251                       | Dillingham, AK 99576     |
| Alaska Central Express, Inc.                     |           |          |             | To Whom It May Concern | 5901 Lockheed Ave.                 | Anchorage, AK 99502      |
| Alaska Island Air, Inc.                          |           |          |             | To Whom It May Concern | P.O. Box 195                       | Togiak, AK 99678         |
| Arctic Circle Air Service                        |           |          |             | To Whom It May Concern | 4111 Float Plane Dr.               | Anchorage, AK 99502      |
| Bay Air  |           |          |             | To Whom It May Concern | P.O. Box 714                       | Dillingham, AK 99576     |
| Branch River Air Service                         |           |          |             | To Whom It May Concern | 5450 Edinburgh Dr.                 | Anchorage, AK 99515      |
| Bristol Bay Air Services, Inc.                   |           |          |             | To Whom It May Concern | P.O. Box 1135                      | Dillingham, AK 99576     |
| ERA Aviation, Inc.                               |           |          |             | To Whom It May Concern | 6161 Carl Brady Dr.                | Anchorage, AK 99502      |
| Everts Air                                       |           |          |             | To Whom It May Concern | P.O. Box 61680                     | Fairbanks, AK 99706-1680 |
| FS Air Service                                   |           |          |             | To Whom It May Concern | 6121 S. Airpark Pl.                | Anchorage, AK 99502      |
| Frontier Flying Service                          |           |          |             | To Whom It May Concern | 3830 W. International Frontage Rd. | Anchorage, AK 99518      |
| Grant Aviation, Inc.                             |           |          |             | To Whom It May Concern | P.O. Box 930                       | Dillingham, AK 99576     |
| Guardian Flight Services                         | Jeff      | Gilbert  | Chief Pilot | Dear Mr. Gilbert       | P.O. Box 61030                     | Fairbanks, AK 99706-1030 |
| Hageland Aviation Services<br>Corporate Office   |           |          |             | To Whom It May Concern | P.O. Box 220610                    | Anchorage, AK 99522-0610 |
| Hageland Aviation Services<br>Dillingham Station |           |          |             | To Whom It May Concern | P.O. Box 1553                      | Dillingham, AK 99576     |
| High Adventure                                   |           |          |             | To Whom It May Concern | P.O. Box 486                       | Soldotna, AK 99669       |
| Jim Air, Inc.                                    |           |          |             | To Whom It May Concern | 4200 Float Plane Dr.               | Anchorage, AK 99502      |
| Larry's Flying Service, Inc.                     |           |          |             | To Whom It May Concern | 3822 University Ave. S.            | Fairbanks, AK 99709      |
| Lynden Air Cargo, LLC                            |           |          |             | To Whom It May Concern | 6441 S. Airpark Pl.                | Anchorage, AK 99502      |
| Mulchatna Air                                    |           |          |             | To Whom It May Concern | P.O. Box 990                       | Dillingham, AK 99576     |
| Northern Air Cargo                               |           |          |             | To Whom It May Concern | 3900 W. International Airport Rd.  | Anchorage, AK 99502      |
| Northwestern Arctic Air                          |           |          |             | To Whom It May Concern | 6321 S. Airpark Pl.                | Anchorage, AK 99502      |
| PenAir   | Danny     | Seybert  |             | Dear Mr. Seybert       | 6100 Boeing Ave.                   | Anchorage, AK 99502      |
| Shannon's Flying Service                         |           |          |             | To Whom It May Concern | P.O. Box 393                       | Dillingham, AK 99576     |
| Sky Trekking Alaska                              |           |          |             | To Whom It May Concern | P.O. Box 871370                    | Wasilla, AK 99687-1370   |
| Starlite, Inc.                                   |           |          |             | To Whom It May Concern | P.O. Box 824                       | Dillingham, AK 99576     |
| Tikchik Airventures                              |           |          |             | To Whom It May Concern | P.O. Box 393                       | Dillingham, AK 99576     |
| Tucker Aviation                                  |           |          |             | To Whom It May Concern | P.O. Box 1109                      | Dillingham, AK 99576     |
| Yute Air Alaska                                  |           |          |             | To Whom It May Concern | P.O. Box 890                       | Dillingham, AK 99576     |